

# Student Module Reference Guide for ALEKS Independent Use (Consumer)

## Table of Contents

- [INTRODUCTION](#)
- [FIRST TIME USE EXPERIENCE](#)
- [HOMEPAGE](#)
- [HEADER BAR](#)
- [TIMELINE AND ALEKS PIE](#)
- [HOW TO NAVIGATE](#)
- [LEARNING MODE](#)
- [CELEBRATION PAGES](#)
- [KNOWLEDGE CHECK](#)
- [MENU](#)
- [REPORTS](#)
- [MESSAGE CENTER](#)
- [DICTIONARY](#)
- [QUICKTABLES](#)
- [ASSIGNMENTS \(QUIZZES\)](#)
- [CERTIFICATES OF ACHIEVEMENT](#)
- [CLASS COMPLETION](#)
- [ACCESSIBILITY](#)
- [ACCESSIBILITY COLOR SETTINGS](#)

## INTRODUCTION

The ALEKS Student Module is available in Independent Use, K-12, Higher Education Math, and Higher Education Science for supported ALEKS classes. The Student Module provides an adaptive learning environment focused on guidance, transparency, engagement, and motivation. Students will always know exactly what they should be working on in ALEKS.

ALEKS Independent Use includes a Master Account, which is used to set up, administer and view progress of its Student Account(s). For more information on using the Master Account, refer to the Master Account Reference Guide for ALEKS Independent Use (Consumer).

The Student Module Reference Guide for ALEKS Independent Use (Consumer) provides an overview of the Student Module and its features, including how to find each feature. This document is written for the Master Account holder and can be used to help students get started in ALEKS.

The Student Module is optimized for desktops and tablets. Please refer to the ALEKS website for the current system requirements: [http://www.aleks.com/support/system\\_requirements](http://www.aleks.com/support/system_requirements). In select Independent Use, K-12, Higher Education Math, and Higher Education Science classes, ALEKS is accessible to visually-impaired students using an assistive listening system (JAWS screen reader technology). Students will need the following system requirements: Microsoft Windows 10, JAWS 2019 or JAWS 20, and Firefox 63+.

For additional questions, please contact ALEKS Customer Support by visiting <https://www.aleks.com/support/form/>.

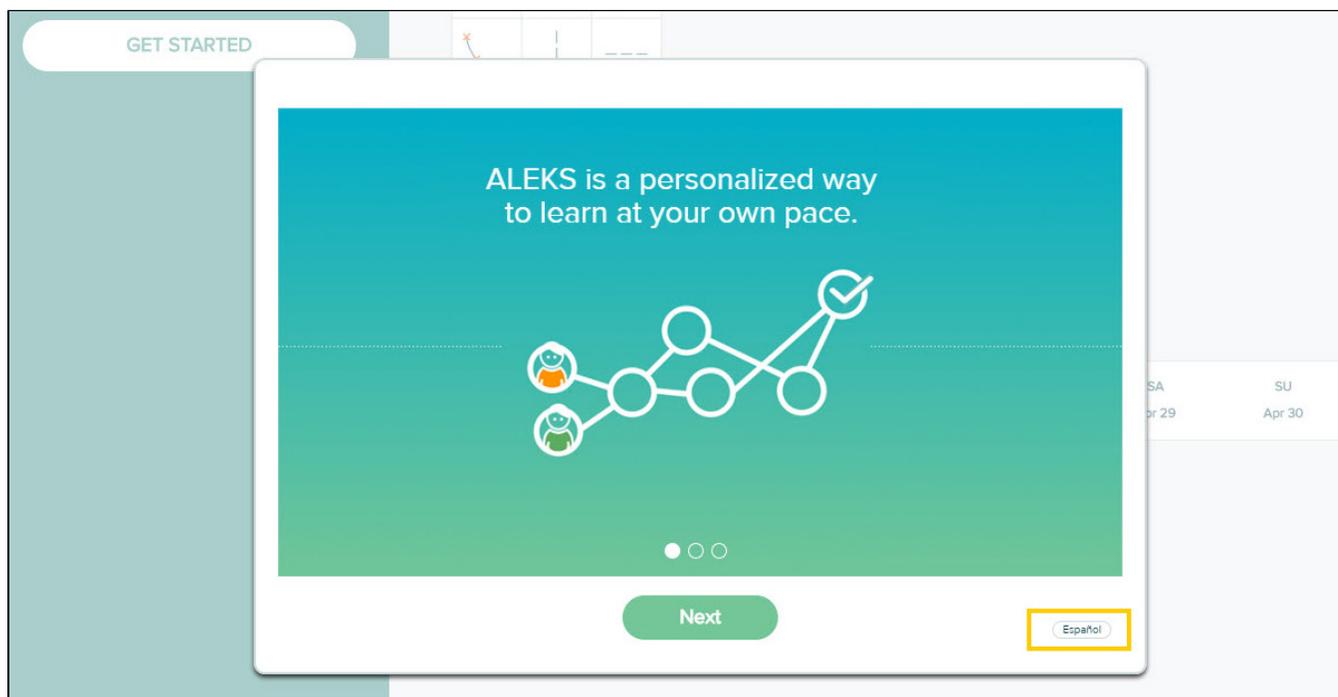
 **VIDEO:** Watch an overview of the Student Module [https://www.aleks.com/video/K12\\_Exploring\\_New\\_SM](https://www.aleks.com/video/K12_Exploring_New_SM)

## FIRST TIME USE EXPERIENCE

After logging in to ALEKS for the first time, students take a guided tour that introduces ALEKS and gives an overview of how ALEKS works. Students then complete the ALEKS Tools Tutorial, take the Initial Knowledge Check and see their results, and finally, explore features on the homepage. Below are highlights of the First Time Use experience.

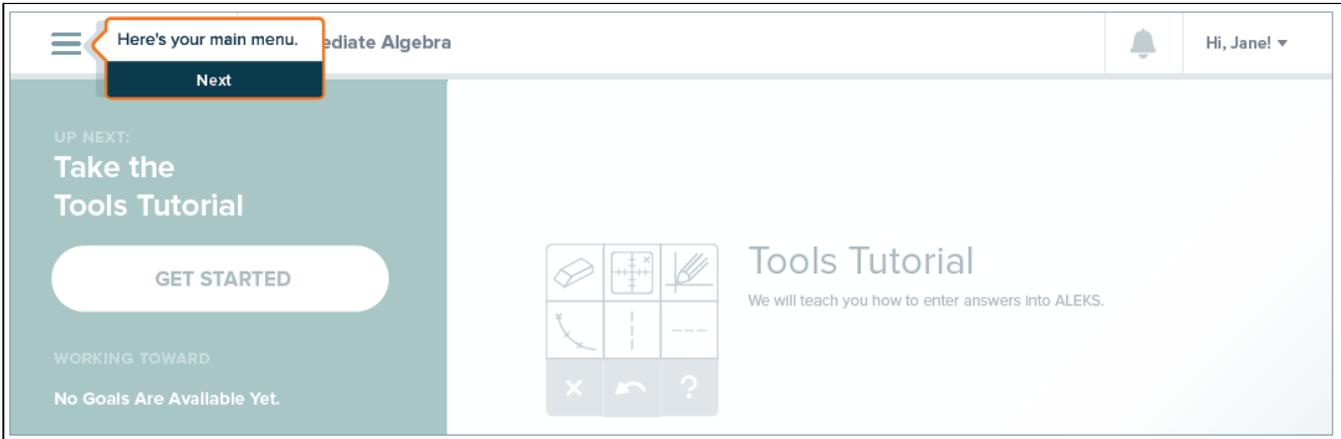
### Introduction to ALEKS

The introduction gives a brief overview of ALEKS and how the system works. The Espanol toggle is available in the bottom-right corner for students who prefer to use ALEKS in Spanish. Selecting the toggle changes the language from English to Spanish. After the First Time Use, the toggle is located on the top-right corner of the homepage and most pages of the Student Module. Students can switch back to English or Spanish at any time by selecting the toggle.



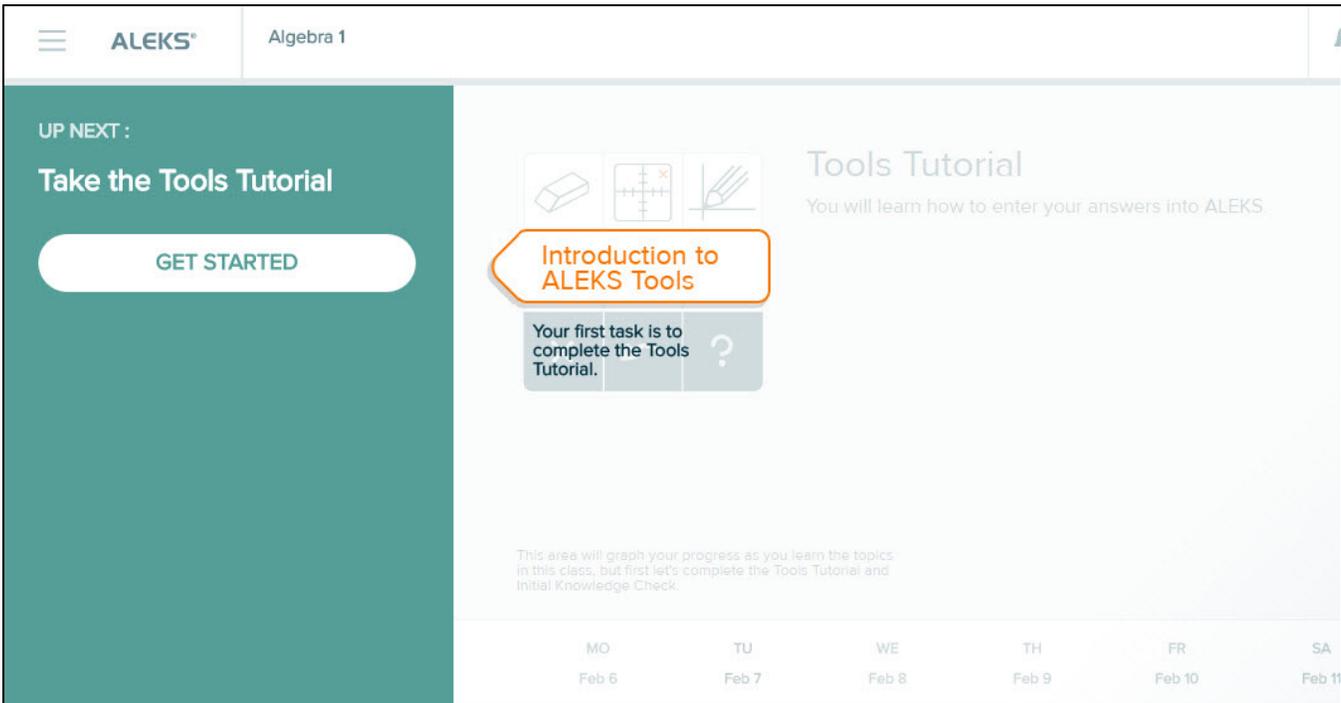
### Quick Tips

ALEKS offers quick tips when students encounter certain features for the first time. Quick tips show the feature's location on the page and how it can be used. Students must select Next to acknowledge each quick tip before moving on.

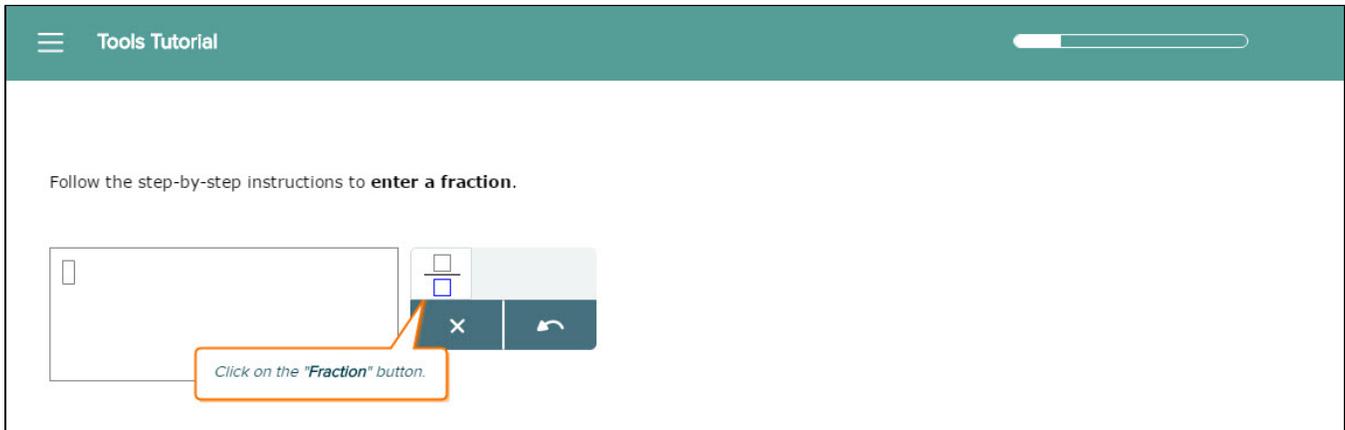


## Tools Tutorial

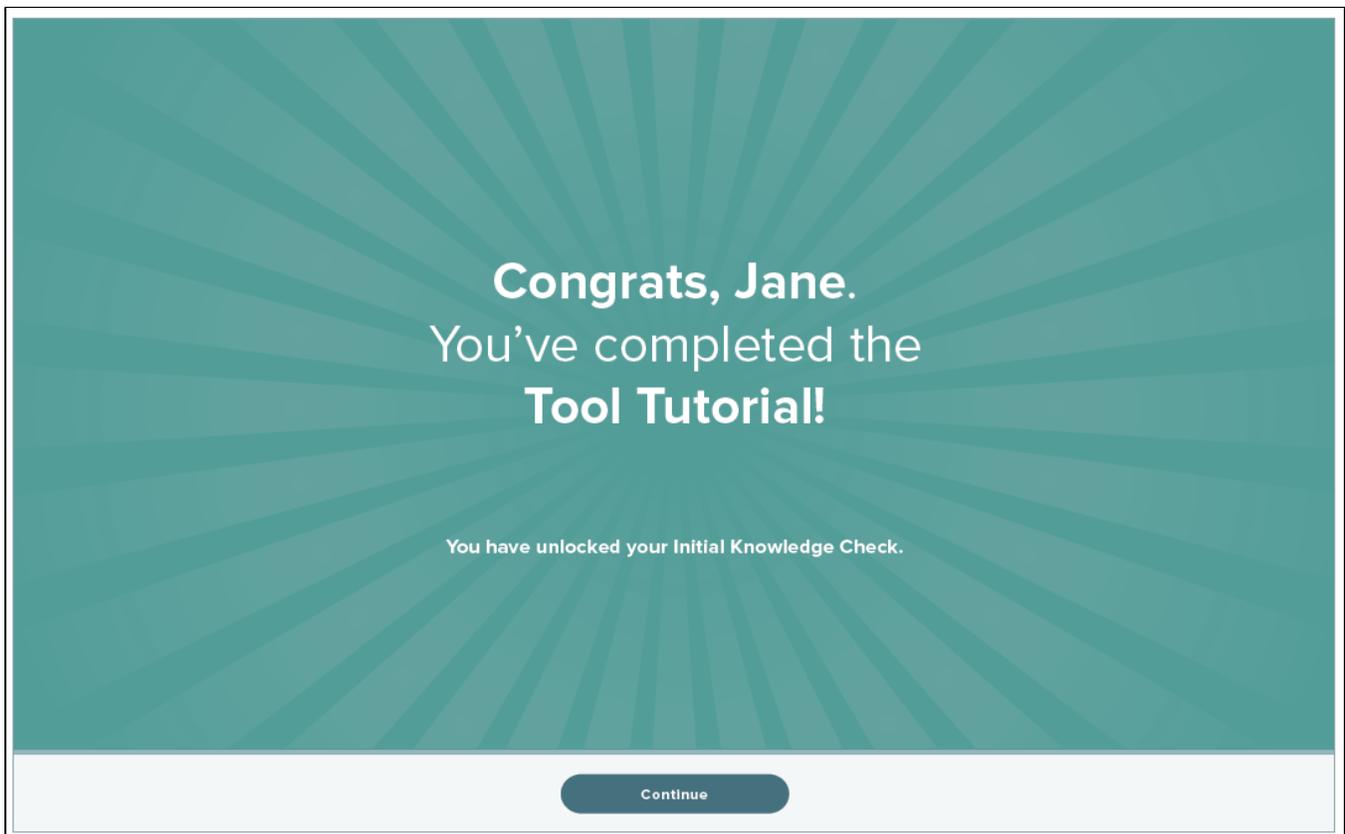
The Tools Tutorial is interactive and shows students how to enter their answers into ALEKS. The tutorial adapts to each ALEKS class and helps students practice using tools that will be found in their class.



Students can see their Tools Tutorial progress by viewing the status bar in the top-right corner.

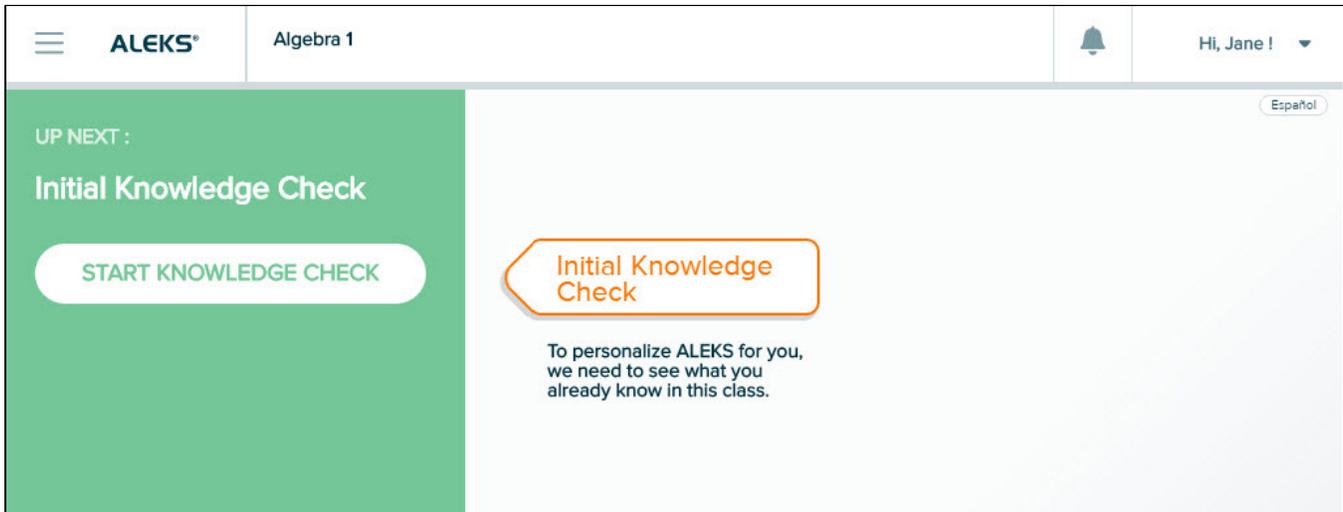


After completing the Tools Tutorial, students receive a congratulatory message. Selecting Continue brings them back to their homepage where they will be prompted to start their Initial Knowledge Check.

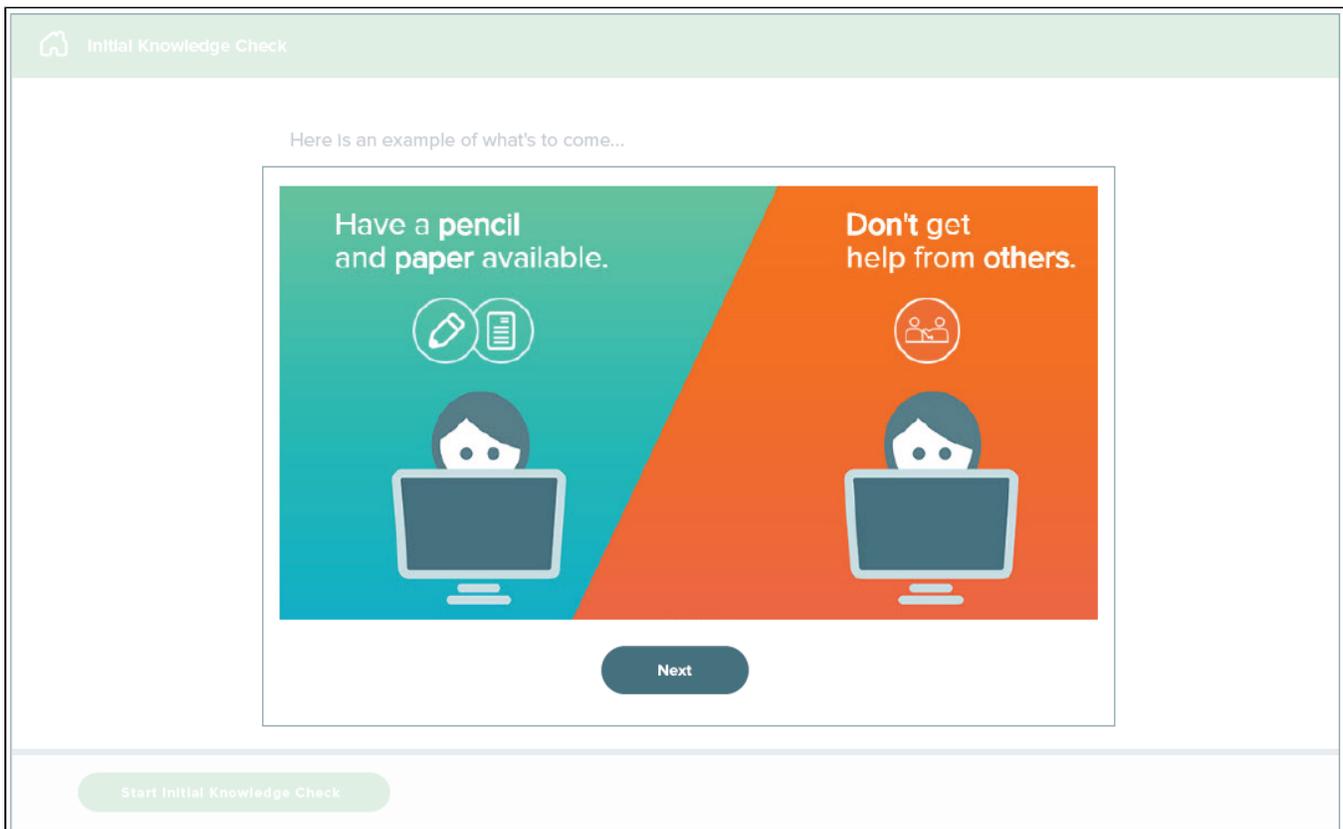


## Initial Knowledge Check

Students are directed to take an Initial Knowledge Check, which asks around 30 questions. The Initial Knowledge Check determines which topics they know, which topics they don't know, and which topics they are Ready to Learn in the class they are working in. Once completed, the Initial Knowledge Check determines the unique knowledge state and sets the individualized learning path for each student.



First, students are presented with a series of animated introduction pages that provide best practices for taking the Initial Knowledge Check.



Next, students see a sample question of the Initial Knowledge Check with quick tips on using the I Don't Know and calculator buttons on the question page. (The calculator is available for certain questions.) Selecting Start Initial Knowledge Check begins the Initial Knowledge Check.

Initial Knowledge Check

Here is an example of what's to come...

Graph the following function.  
 $g(x) = 3x^2 + 2$   
To draw the graph, plot key points and label asymptotes (if any) on the graph. Then

*Choose "Don't know" only if you don't know how to solve the problem.*

*You can use the ALEKS Calculator when it appears.*

SAMPLE

Start Initial Knowledge Check

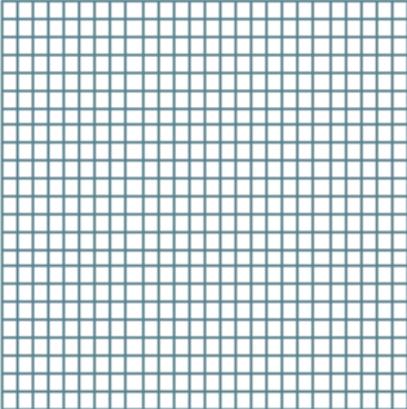
During the Initial Knowledge Check, students can see their progress in the status bar in the top-right corner of the screen. Students will not be told whether their answers to questions are correct or incorrect.

Knowledge Check

Graph the following function.

$$g(x) = 3e^{x+1} + 2$$

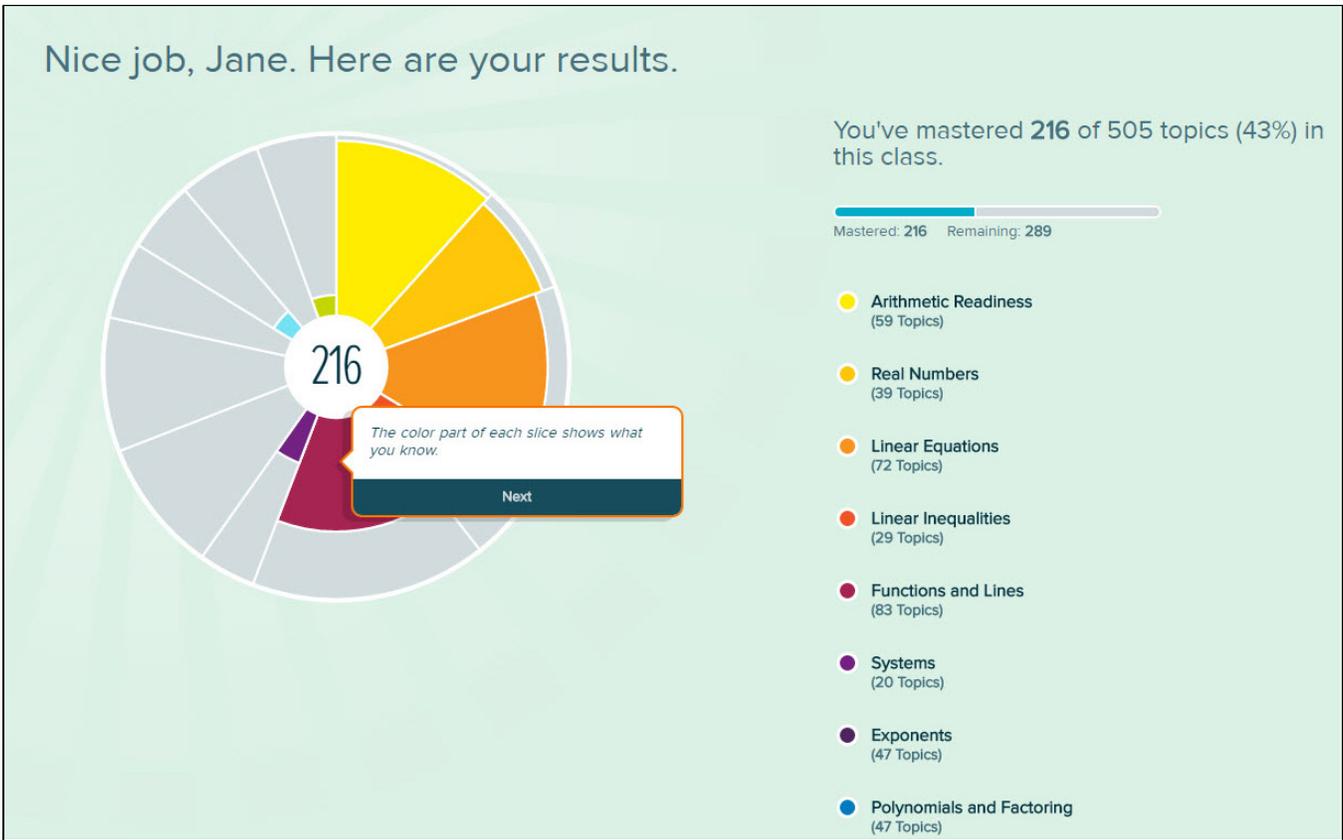
To draw the graph, plot two points and the asymptotes (if any) of the graph. Then click on the graph icon.



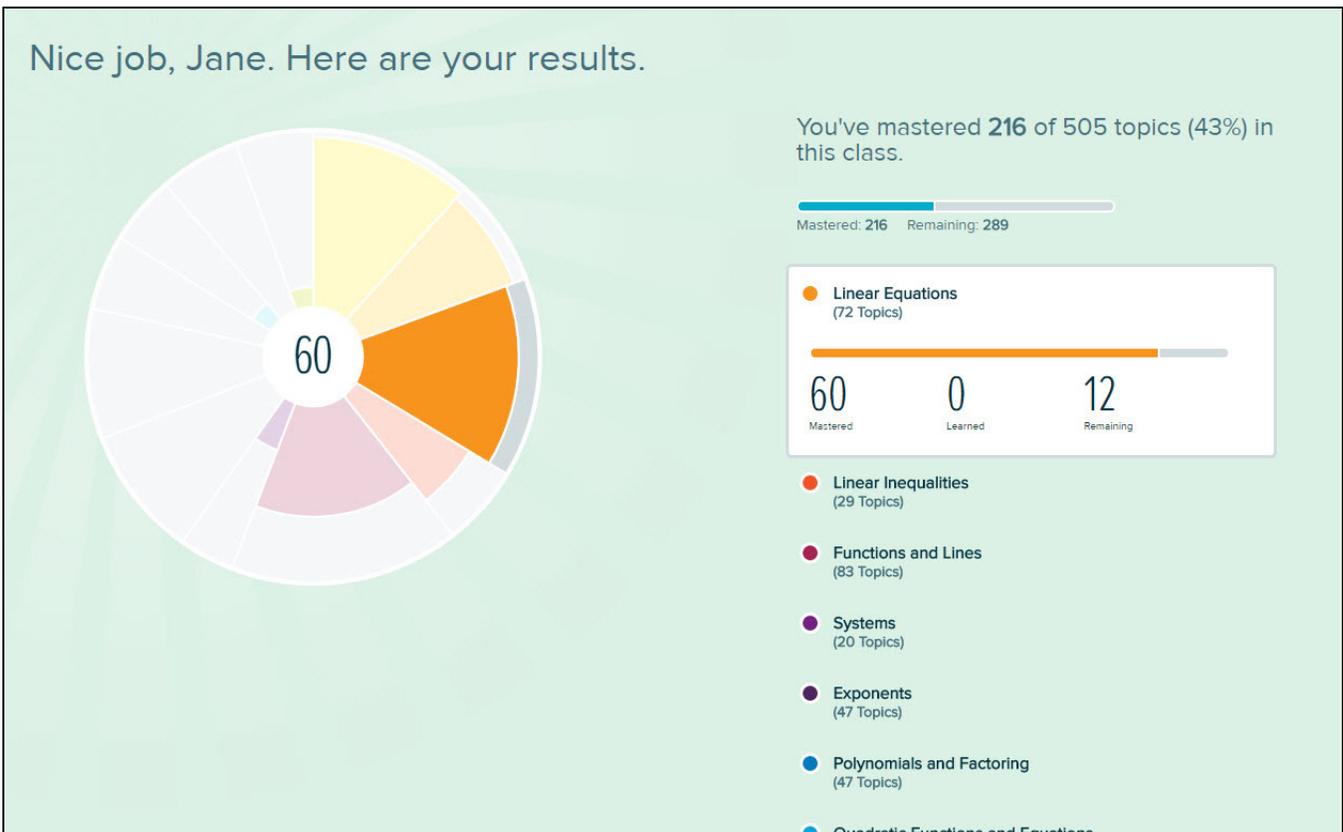
I Don't Know Submit

## Post Knowledge Check Results

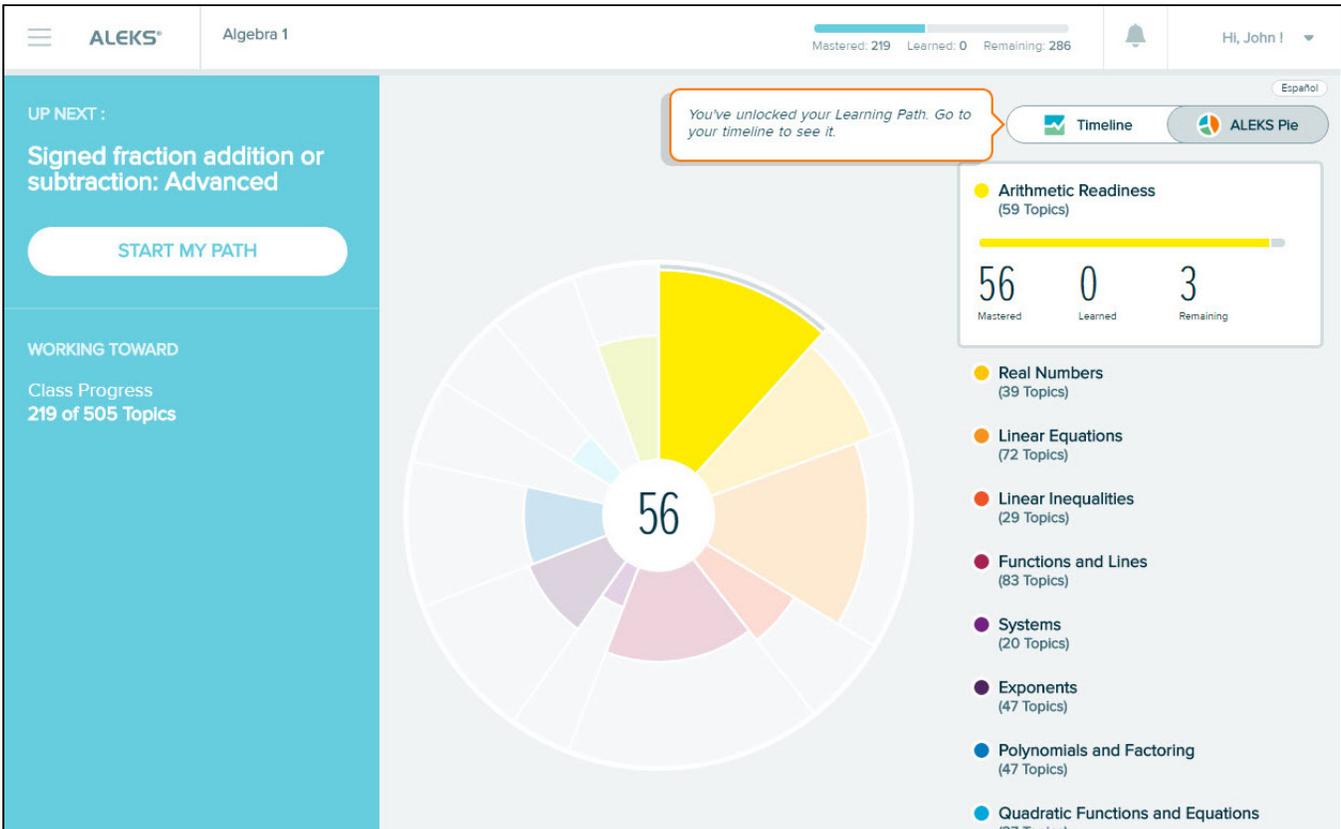
After completing the Initial Knowledge Check, students see their results displayed in their ALEKS Pie, with quick tips describing how the pie works. Each pie slice is a grouping of similar topics; the whole pie encompasses each topic in the class.



From the ALEKS Pie, students see the number of topics they mastered per slice and their overall mastery percent in the class based on their Initial Knowledge Check.



Students move to the homepage where the ALEKS Pie from the Initial Knowledge Check is displayed. Quick tips describe how to access features on the homepage. For example, selecting a slice in the ALEKS Pie displays more information about the slice, including the number of topics within that are Mastered, Learned, and Remaining.



A toggle sets the default view to the Timeline or ALEKS Pie. The Timeline displays progress in Learning Mode and is a roadmap for students to understand how to achieve learning goals and reach class completion.

The screenshot displays the ALEKS homepage for Algebra 1. At the top, the user's progress is shown: Mastered: 219, Learned: 4, and Remaining: 282. The sidebar on the left indicates the next topic to be mastered: 'Signed fraction addition or subtraction: Advanced', with a 'CONTINUE MY PATH' button. The main content area shows 'WORKING TOWARD' progress, with 223 of 505 topics completed. A central timeline view shows a progress line from Tuesday, Feb 7 to Wednesday, Feb 8. Below the timeline, there are buttons for 'Today's Quiz' and 'Practice Quiz'. A yellow box highlights the 'Timeline' and 'ALEKS Pie' navigation options in the top right corner.

## HOMEPAGE

After completing the First Time Use experience, students land on their personal homepage, which provides information to help prioritize activities and displays their progress in Learning Mode.

Below are some key areas of the homepage with the Timeline as the default view and an overview of each feature.

The screenshot displays the ALEKS interface for Algebra 1. At the top, the header bar includes the ALEKS logo, the class name 'Algebra 1', a progress bar showing 'Mastery: 104', 'Learned: 6', and 'Remaining: 395', a notification bell with '1' alert, and account information 'Hi, Jane!' with a dropdown arrow. The main content area is split into a blue sidebar and a main workspace. The sidebar contains 'UP NEXT: Order of operations with whole numbers and exponents: Advanced' with a 'CONTINUE MY PATH' button and 'WORKING TOWARD: Class Progress 110 of 505 Topics'. The main workspace shows a 'Timeline' view with a progress line and a 'Today's Quiz' notification. A 'Timeline Detail' button is visible at the bottom right.

- 1 | **Menu:** Provides access to important features in ALEKS
- 2 | **ALEKS Logo:** When visible, students can select the ALEKS Logo to return to their homepage
- 3 | **Progress Bar:** Displays the overall number of topics Mastered, Learned, and Remaining in real-time
- 4 | **Notifications:** Alerts students with real-time notifications such as new quizzes and messages
- 5 | **Account Information:** Displays students' account settings and links for Help and Logout
- 6 | **Next Knowledge Check Indicator:** Displays a countdown to the next Knowledge Check
- 7 | **Timeline/ALEKS Pie:** Students can toggle their view between Timeline to see their progress in Learning Mode and ALEKS Pie to see their progress within each slice
- 8 | **Primary Guidance:** Contains the primary call to action, which is to work on the learning path. It may also contain quizzes or Knowledge Checks students can begin, and shows students' overall progress in the class
- 9 | **Timeline Marker:** Shows where students are on the Timeline
- 10 | **Assignments:** Shows quizzes created by the Master Account

## HEADER BAR

The header bar provides access to the navigation Menu, displays the ALEKS class the student is working in, provides real-time class progress information, displays Message Center alerts and notifications, and provides access to the student's account settings.

**How to Find It:** Located at the top of most pages in the Student Module

 <b>ALEKS®</b>	Algebra 1	 Mastered: 219    Learned: 2    Remaining: 284	 2	Hi, John !
---	-----------	---	---	------------

## Account Information

Students can access their account settings, view keyboard shortcuts (by selecting Help), and log out of ALEKS by selecting their name in the top-right corner.

## Settings

This section contains the option to show the English/Spanish toggle throughout ALEKS, email address and forwarding options, and High Contrast and Grayscale color settings. Students can also change their password here.

**How to Find It:** Open the list in the top-right corner by selecting the student's name | Select **Settings**

 Settings


Show English/Spanish Toggle 

Forward ALEKS Messages to My Email Address 

Email Address    
Click inside the box to change your email

---

**My ALEKS Account**

Username **JDOE1126**

Old Password

New Password

Confirm New Password

---

**Accessibility**

Increase Contrast 

Grayscale 

Cancel
Save

## Log Out

Students can log out of their working session by selecting Logout.

**How to Find It:** Open the list beside the student's name in the top-right corner by selecting the blue arrow | Select **Logout**

## Notifications

The header bar displays an icon counting real-time notifications and messages from the Master Account. Students are alerted when there is a new notification. The number above the bell is the number of unread notifications. When the bell icon is selected, a list of chronological notifications, with the newest at the top, is displayed. After students view the new notification(s), the number disappears.

**How to Find It:** Located in the header bar at the top of most pages in the Student Module.

Below is an example of an alert with three unread notifications.



Notifications appear on the homepage or in Learning Mode. The notification appears in the top-right corner of the page the student is currently viewing. Notifications can be closed by selecting the X button.



Some notifications are actionable. Students can navigate to the corresponding content by selecting the notification as an alternative to using the Primary Guidance Menu. For example, students can select a Quiz notification to begin that quiz.

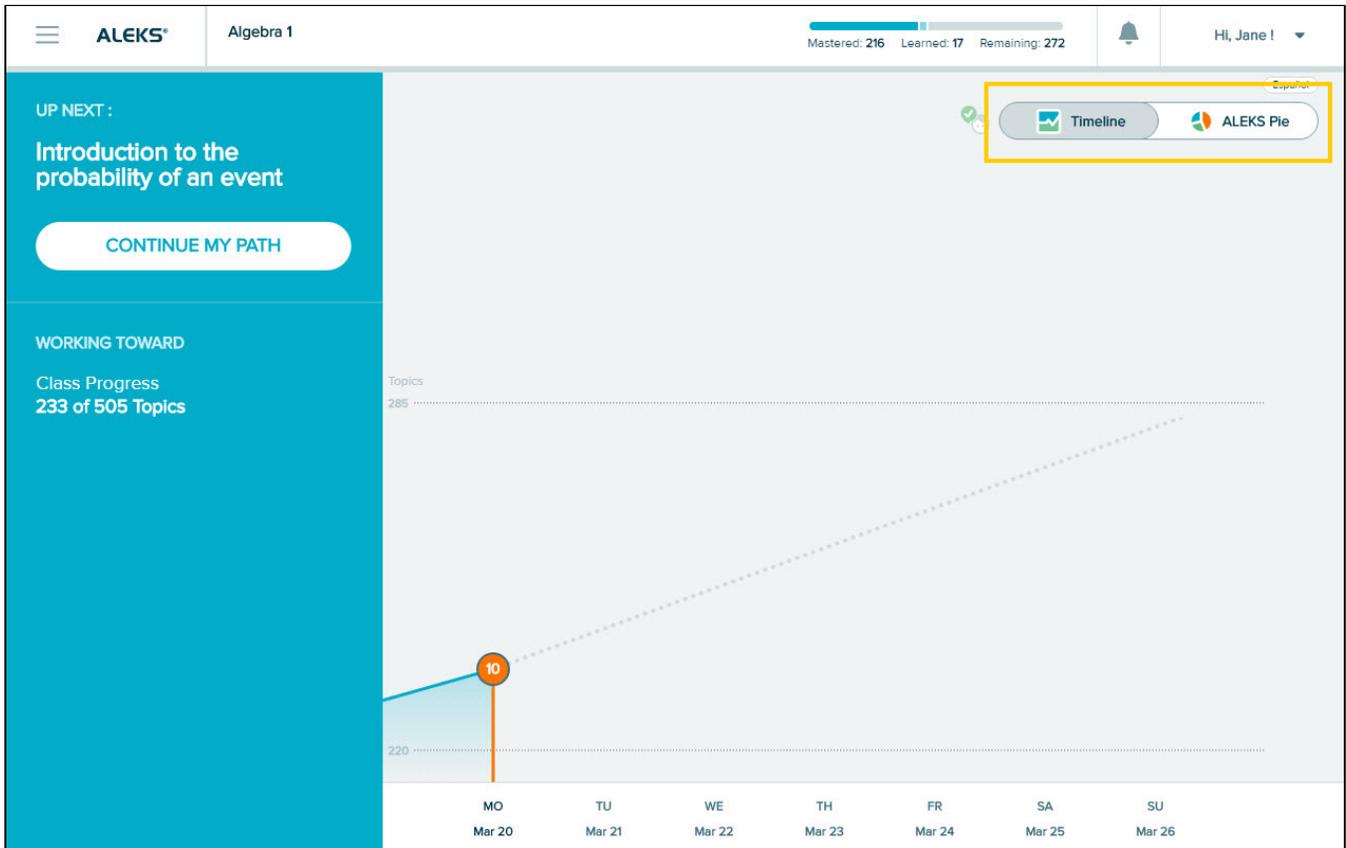


## TIMELINE AND ALEKS PIE

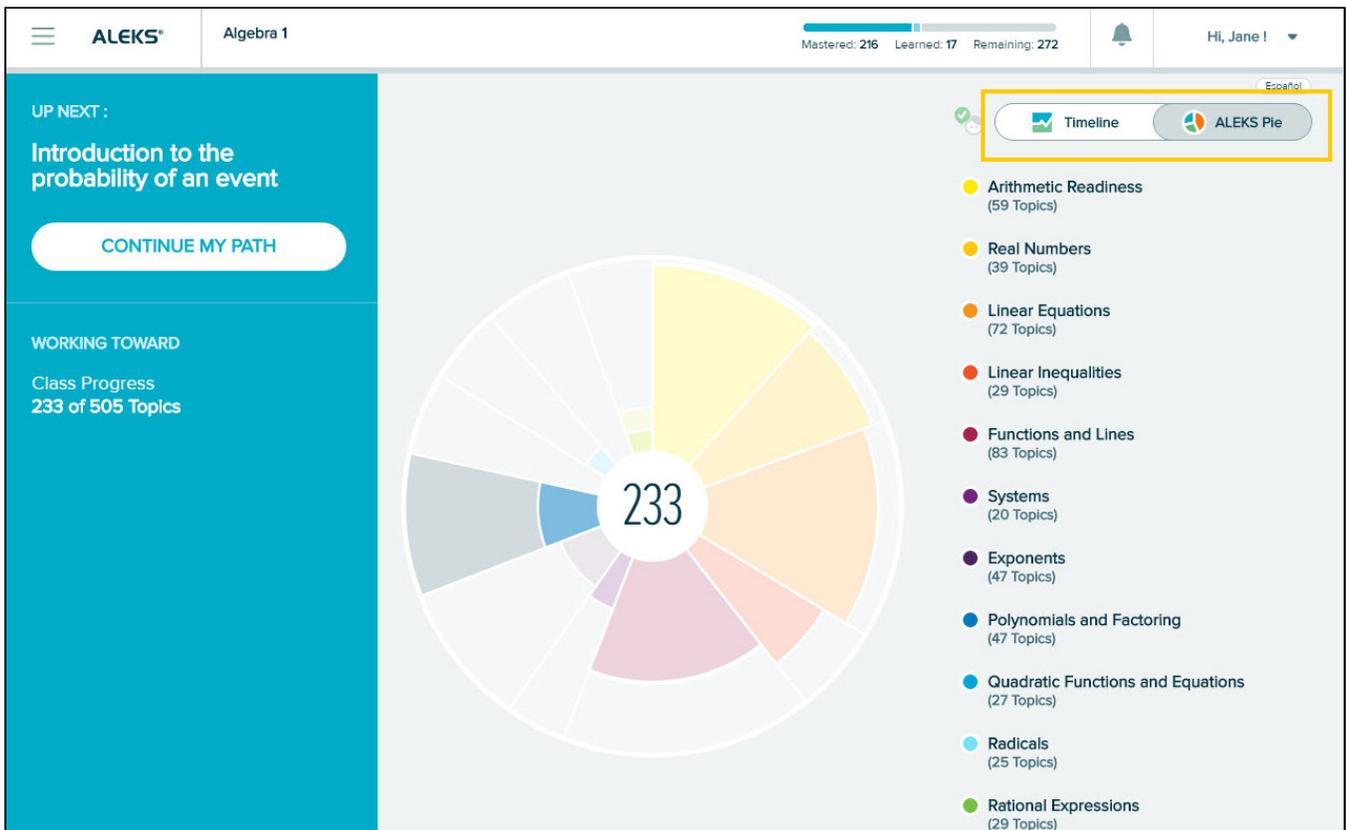
There are two different view options for the homepage: Timeline or ALEKS Pie. Students can toggle between views and choose a default view by selecting either tab. This view will be displayed on their homepage each time they log into ALEKS. The view can be changed at any time.

**How to Find It:** Located on the top-right corner of the homepage Timeline ALEKS Pie

### Timeline



### ALEKS Pie



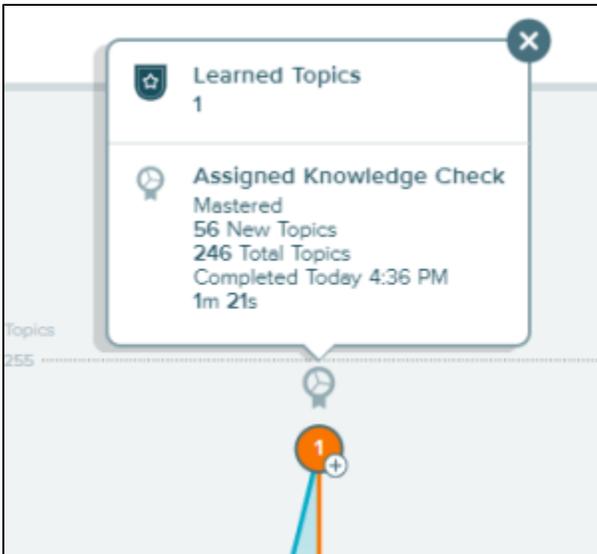
## Timeline

The Timeline is a visual tool that graphs students' progress and growth over time. It helps students understand how to achieve learning goals and reach milestones. From the Timeline, students can view their recent activity in ALEKS. As students learn, master, and review topics, the Timeline is updated with real-time information.

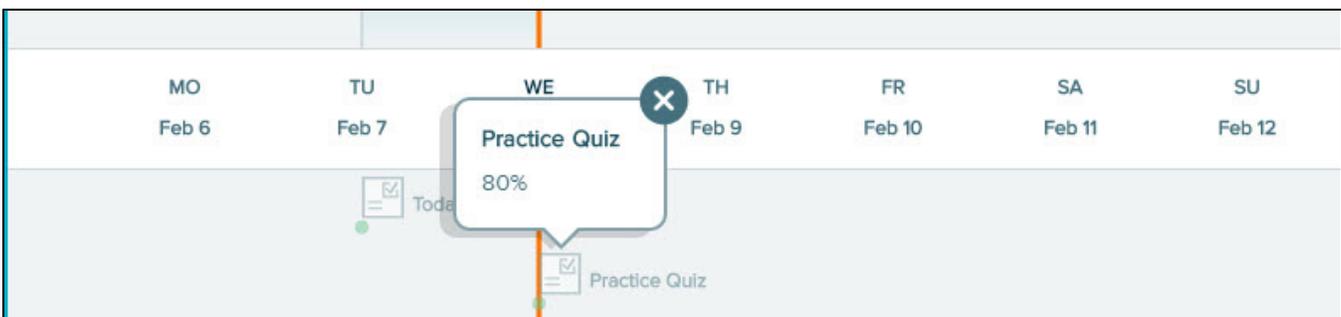
**How to Find It:** Go to the homepage | Select the **Timeline** tab on the toggle in the top-right corner

Below are descriptions of key areas of the Timeline:

**1** | Students can select markers for more detail. For example, selecting the orange marker (📍) depicts the student's progress today, with details on topics the student learned or reviewed and Knowledge Checks completed. If there was a Knowledge Check, the popup shows how many topics were mastered on that Knowledge Check, the amount of time spent in the Knowledge Check, and the date/time it was completed.

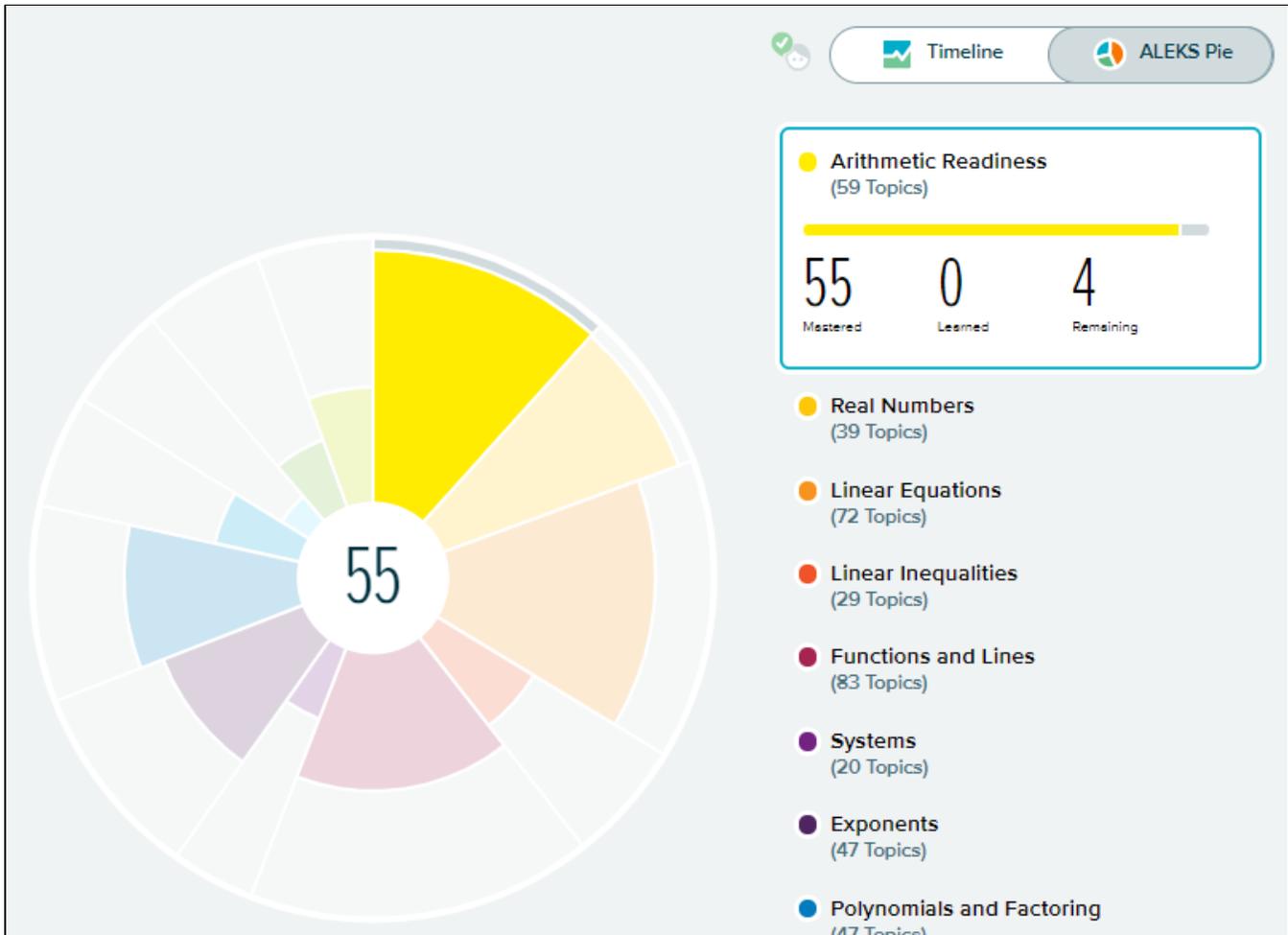


**2** | The area below the Timeline shows quizzes created by the Master Account. It chronologically displays when quizzes start. Students can select the quiz name to view details.



## ALEKS Pie

The ALEKS Pie displays the student's overall progress toward completion of the class. Topics of similar content are grouped into a pie slice. Mastered, Learned, and Remaining topics are shown as different colors within each slice. Each pie slice is color-coded to align with class progress information shown in the list next to the ALEKS Pie. The darker color in a slice represents topics Mastered; the lighter color represents topics Learned, and the outer gray space without color represents the topics Remaining to be learned and mastered.



## Class Progress Information

Students can view their real-time class progress information by selecting a pie slice. The area to the right is a legend that updates with the slice name and the number of topics in each category (Mastered, Learned, and Remaining) for the selected slice. **The delineation reinforces that topics Learned in Learning Mode are not considered Mastered until retention is demonstrated in a Knowledge Check.**

- **Mastered:** The number of topics the student has demonstrated mastery of in the most recent Knowledge Check
- **Learned:** The number of topics the student has practiced successfully in Learning Mode but has not yet been assessed on in a Knowledge Check
- **Remaining:** The number of topics the student has left to learn

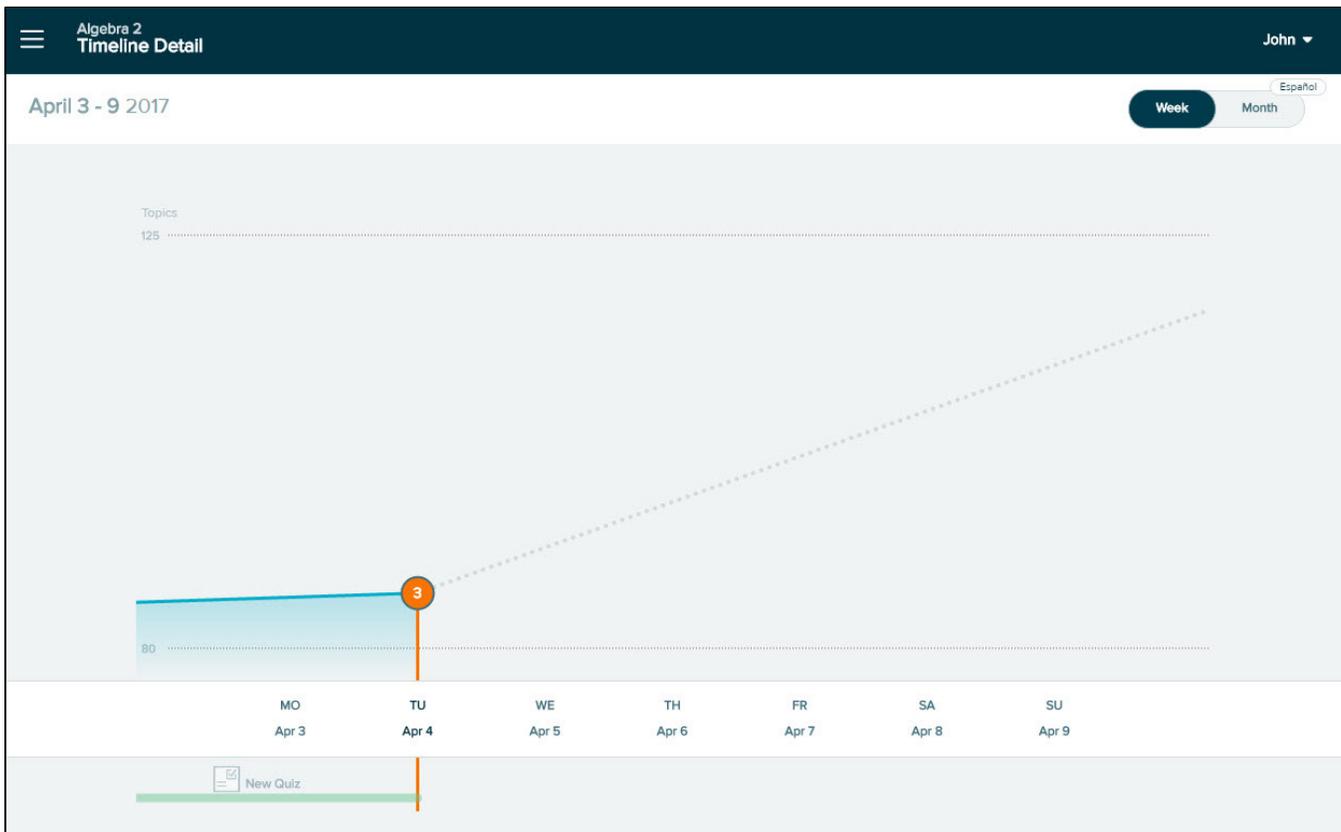
**How to Find It:** Go to the homepage | Select **ALEKS Pie** from the toggle in the top-right corner

The number in the center of the ALEKS Pie is the total topic progress, which is the number of topics the student has Mastered plus Learned. Selecting the center of the pie toggles back and forth between the number of total topic progress and the percentage of total topic progress. This toggle is available only on the student's homepage and reflects the total pie; it is not available by slice.

## Timeline Detail Button

This view of the Timeline provides a more detailed full-screen view and longer date range than the Timeline shown on the homepage. Students can filter their Timeline view by week or month.

**How to Find It:** Timeline Detail is located on the bottom-right corner of the Timeline



## HOW TO NAVIGATE

There are two menus students can use to navigate the Student Module: The Primary Guidance Menu, found on the left side of the homepage, and the Navigation Menu, indicated on the top-left corner of the screen by this icon:

### Primary Guidance Menu

This menu on the left side of the homepage is important because it navigates to the student's next task. Generally, the most important task for students is to continue in Learning Mode on their personalized learning path. Tasks in this menu are contextual to each student's unique learning path and update according to priority, and may include quizzes or Knowledge Checks. Students can navigate to the task by selecting the buttons in the Primary Guidance Menu.

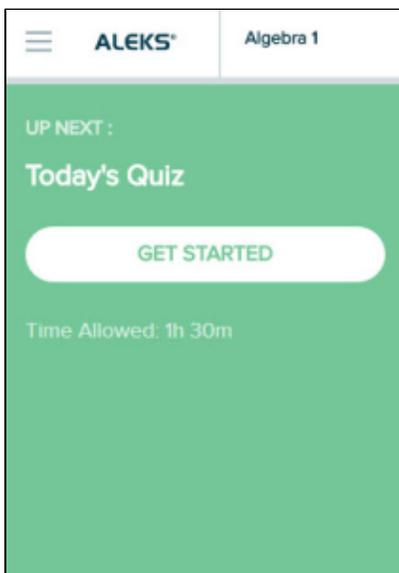
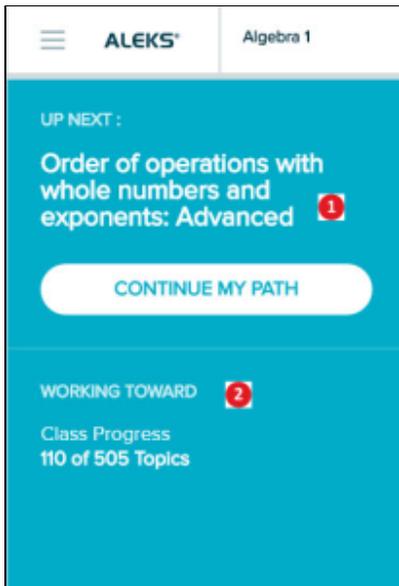
When the primary task is to start or continue in Learning Mode, the Primary Guidance Menu is blue. When the primary task is to start or continue a Knowledge Check or quiz, the Primary Guidance Menu is green.

**How to Find It:** Locate the blue or green navigation bar on the left side of the student's homepage

The Primary Guidance Menu is broken down as follows:

**1 | UP NEXT:** Buttons labeled START MY PATH or CONTINUE MY PATH direct students to Learning Mode where they will practice topics they are Ready to Learn. The GET STARTED/CONTINUE button begins or continues a quiz or Knowledge Check when available.

**2 | WORKING TOWARD:** This section displays the student's progress toward completing the class.



## LEARNING MODE

In Learning Mode, students practice and learn Ready to Learn topics in their personalized learning path and review previously Learned and Mastered topics. To enter Learning Mode, students can start their path from the Primary Guidance Menu.

**How to Find It:** Go to the Primary Guidance Menu | Select **START MY PATH** or **CONTINUE MY PATH**

**Alternate Navigation Route:** Select the Menu in the top left corner | Select **Learn**

The screenshot displays the ALEKS Algebra 1 interface. At the top, the navigation bar shows the ALEKS logo, the course name 'Algebra 1', and a progress bar indicating 'Mastered: 216', 'Learned: 0', and 'Remaining: 289'. The main content area is divided into two primary sections. The 'UP NEXT' section, highlighted in a large blue box, presents the next topic: 'Introduction to the product rule of exponents', with a prominent 'START MY PATH' button. The 'WORKING TOWARD' section, also in blue, shows the student's progress: 'Class Progress 216 of 505 Topics' with a due date of 'Mar 31'. On the right side of the interface, there are icons for a checkmark, a person, and a 'Timeli' notification.

## Learning Page

Before beginning a topic, students see a Learning Page that provides an example question for the topic and explains how to solve that question. Once they navigate beyond this initial Learning Page, they can easily generate another question's explanation by selecting **Explanation** from a question page.

ALEKS offers quick tips when students encounter a Learning Page for the first time. The first question in the topic displays after the student selects **Start**.

**LINEAR EQUATIONS**  
Solving for a variable in terms of other variables using addition or subtracti...

**QUESTION**  
Solve for  $x$ .  
 $A = x + y - 9$

**EXPLANATION**  
To solve for  $x$ , we first subtract  $y$  from both sides of the equation and [simplify](#).  
 $A - y = x + y - y - 9$   
 $A - y = x - 9$   
Then, we add 9 to both sides of the equation and simplify.  
 $A - y + 9 = x - 9 + 9$   
 $A - y + 9 = x$

**ANSWER**  
 $x = A - y + 9$

**A shortcut**  
Use the Start Button to begin working on this topic.

**Next**

**Start**

**Learning Page**

### Example of a Question Page in Learning Mode

Below is an example of a question in Learning Mode with key areas described.

The screenshot shows the ALEKS interface for a math problem. At the top, there is a blue header with a menu icon, the topic name "FUNCTIONS AND LINES" (1), and the specific topic "Graphing a line by first finding its x- and y-intercepts" (2). A progress indicator (5) shows five bars, with the first one filled. The user's name "John" and a language selector "Español" are in the top right. The main content area contains the problem text: "The equation of a line is given below." (3) followed by the equation  $-8x + 4y = -20$ . Below this, it says "Find the x-intercept and the y-intercept." (4) and "Then use them to graph the line." To the left of the graphing area is an input box for the x-intercept and y-intercept, with a calculator icon (6) and a question mark icon (7) next to it. In the center is a coordinate plane with x and y axes ranging from -8 to 8. To the right of the graph is a toolbar with icons for a 3D box, a pencil, a red arrow, a calculator, and buttons for 'x', 'undo', and 'help'. At the bottom, there are two buttons: "Explanation" (6) and "Check" (7).

- 1 | **Slice Name:** The pie slice containing the topic the student is working in
- 2 | **Topic Name:** The topic the student is working in
- 3 | **Topic Carousel Tab:** Opens/closes the Topic Carousel where the student can choose other topics to work on
- 4 | **Underlined Mathematical Terms:** Navigate to the ALEKS Dictionary when selected. The student can select any term to view its complete definition
- 5 | **Progress Indicator:** Displays immediate feedback messages and a counter to show how many correct answers the student needs to complete the topic
- 6 | **Explanation:** Provides an explanation of how to solve the current question and displays the correct answer. Using this button does not count against the student
- 7 | **Check:** Once the student has input their final answer, selecting Check submits and checks their answer

**Resources Available on Question Pages and Explanation Pages**

For help on a question, students have access to learning resources that appear on the right side of the question and Explanation pages. Students may be able to access the ALEKS Dictionary or Personal Tutor videos, depending on the ALEKS class they use and the topic they are working on. Below is an example showing a resource (a Personal Tutor video) available on a question page in Learning Mode. Selecting a resource icon opens a pop-up with more details about the resource. Note: Personal Tutor videos are available only in K-12 classes.

LINEAR EQUATIONS  
Solving a linear equation with several occurrences of the variable...

Solve for  $y$ .

$$3y - 5 + 3(3y + 3) = -2(y + 7)$$

Simplify your answer as much as possible.

$y = \square$

Videos

Mrs. Highman  
Solve  $-3(5a + 4) + 7(3a - 1) = -43$ .

Glencoe Personal Tutor

John

Español

**Message Master Account:** In Learning Mode, students can send a message to the Master Account holder by selecting the envelope icon.

LINEAR EQUATIONS  
Solving a linear equation with several occurrences of the variable...

Solve for  $y$ .

$$3y - 5 + 3(3y + 3) = -2(y + 7)$$

Simplify your answer as much as possible.

$y = \square$

Message Your Instructor

John

Español

## Progress Indicator

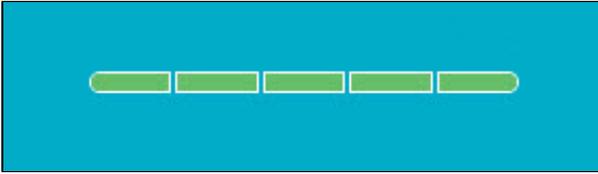
When students input their final answer to a question in Learning Mode and select Check, they immediately see how they performed. The progress indicator in the top-right corner displays messages and a counter to show when questions are answered correctly or incorrectly.

### How the Progress Indicator Works

Progress within a topic is based on a point system. ALEKS considers a topic **Learned** when the student achieves a total of five points in that topic.

To help students visualize how they are making progress toward completing a topic, the bars in the progress indicator update in real time to represent how many questions students need to answer correctly before the topic is considered Learned. Students receive one point added for each correct answer and one point subtracted for each incorrect answer. If two questions in a row are answered correctly without using the Explanation page, double credit (two points) is received. The number of points will not go below zero. Once a topic is Learned, students move to the next topic in the carousel.

The progress indicator bars are dynamic and change colors. Bars are shaded in green based on the number of points achieved after a correct answer. The goal is for students to have a fully green-shaded progress indicator.



The progress indicator changes in an array of colors and moves from yellow to orange, and finally, to red with each incorrect attempt.



For certain topics, students may see a progress indicator containing three bars instead of five. ALEKS adjusts the progress bars based on students' knowledge of the topic.



Below are examples to demonstrate how the progress indicator responds in certain scenarios.

### Scenario #1: Student Answers an Entire Topic Correctly

#### 1st Attempt

The student receives the first question in the topic. The student answers correctly. The following events occur:

- The message “Excellent! Keep going...” is displayed by the progress indicator to motivate students
- The first bar on the progress indicator fills in with the color green
- “+1” point is displayed by the progress indicator
- “Correct” is displayed on the page
- The **Next** button moves the student to a new question in the current topic

LINEAR EQUATIONS  
Solving a linear equation with several occurrences of the variable...

Excellent! Keep going... +1

Correct

Solve for  $y$ .

$$-17 = 2y + 7 - 5y$$

Simplify your answer as much as possible.

$y = 8$

Next

## 2nd Attempt

The student answers the question correctly without selecting **Explanation**. The following events occur:

- The message “2 in a row! Double credit!” is displayed by the progress indicator to congratulate the student
- The next two bars on the progress indicator fill in with the color green
- “+2” points is displayed by the progress indicator
- “Correct” is displayed on the page
- The **Next** button moves the student to a new question in the current topic

LINEAR EQUATIONS  
Solving a linear equation with several occurrences of the variable...

2 in a row! Double credit! +2

Correct

Solve for  $x$ .

$$-8x - 4x - 17 = 19$$

Simplify your answer as much as possible.

$x = -3$

Next

## 3rd Attempt

The student answers the question correctly without selecting **Explanation**. The following events occur:

- The message “3 in a row!” is displayed by the progress indicator to congratulate the student
- The final two bars on the progress indicator fill in with the color green
- “+2” points is displayed by the progress indicator
- “Correct” is displayed on the page

- The **Next** button moves the student to a Celebration Page. From the Celebration Page, the student can continue to the next topic in the Topic Carousel. More detail on Celebration Pages can be found in the next section of this guide

The screenshot shows the ALEKS interface for a linear equation problem. The title bar indicates the topic is "LINEAR EQUATIONS" and the problem is "Solving a linear equation with several occurrences of the variable...". The user's name is "Jane". The progress indicator shows "3 in a row!" with a "+2" badge. A green "Correct" message is displayed. The problem asks to "Solve for x." and provides the equation  $5x + 27 + 4x = 9$ . The instruction is to "Simplify your answer as much as possible." The user has entered the answer  $x = -2$  in the input field. The interface includes a calculator and a "Next" button.

## Scenario #2: Student Answers an Entire Topic Incorrectly

### 1st Attempt

The student attempts the first question and answers incorrectly. The following events occur:

- The message "Try again..." is displayed by the progress indicator
- "Try Again" is displayed on the page
- The student has a chance to check their work and make a second attempt at answering the first question
- The **Check** button is replaced with **Re-Check**

The screenshot shows the ALEKS interface for a linear equation problem. The title bar indicates the topic is "LINEAR EQUATIONS" and the problem is "Solving a linear equation with several occurrences of the variable...". The user's name is "Jane". The progress indicator shows "Try again..." with a yellow background. A red "Try Again" message is displayed. The problem asks to "Solve for u." and provides the equation  $-2u + 2 = -7u + 17$ . The instruction is to "Simplify your answer as much as possible." The user has entered the answer  $u = 11$  in the input field. The interface includes a calculator and buttons for "Explanation" and "Re-Check".

### 2nd Attempt

The student answers incorrectly. The following events occur:

- The progress indicator turns yellow

- “Incorrect. Try reading the explanation first, then continue.” is displayed on the page
- The Explanation Page for the current question is shown
- Selecting "Continue" takes the student to a new question in the current topic. This occurs whenever the student makes two incorrect attempts at the same question

LINEAR EQUATIONS  
Solving a linear equation with several occurrences of the variable...

Jane

Incorrect. Try reading the explanation first, then continue.

QUESTION

Solve for  $u$ .

$$-2u + 2 = -7u + 17$$

Simplify your answer as much as possible.

EXPLANATION

We want to get the **variable** by itself on one side.

We can begin by adding  $7u$  to both sides.

$$-2u + 2 = -7u + 17$$

$$-2u + 7u + 2 = -7u + 7u + 17$$

$$5u + 2 = 17$$

Then, we continue solving as follows.

$$5u = 15 \quad \text{Subtracting 2 from both sides}$$

$$u = 3 \quad \text{Dividing both sides by 5}$$

ANSWER

$$u = 3$$

Continue

### 3rd Attempt

The student receives a new question for this topic. The student answers incorrectly. The following events occur:

- The message “Try again...” is displayed by the progress indicator
- “Try Again” is displayed on the page
- The student has another attempt at the same question in the current topic
- The “Check” button is replaced with “Re-Check”

LINEAR EQUATIONS  
Solving a linear equation with several occurrences of the variable...

Try again... Jane

Español

Try Again

Solve for  $w$ .

$$8w - 21 = 2w - 9$$

Simplify your answer as much as possible.

$w = 3$

Explanation Re-Check

#### 4th Attempt

The student answers incorrectly. The following events occur:

- The progress indicator turns orange
- “Incorrect. Try reading the explanation first, then continue.” is displayed on the page
- The Explanation Page for the current question is shown
- Selecting **Continue** takes the student to a new question in the current topic

LINEAR EQUATIONS  
Solving a linear equation with several occurrences of the variable...

Jane

Español

Incorrect. Try reading the explanation first, then continue.

QUESTION

Solve for  $w$ .

$$8w - 21 = 2w - 9$$

Simplify your answer as much as possible.

EXPLANATION

We want to get the [variable](#) by itself on one side.

We can begin by subtracting  $2w$  from both sides.

$$8w - 21 = 2w - 9$$

$$8w - 2w - 21 = 2w - 2w - 9$$

$$6w - 21 = -9$$

Then, we continue solving as follows.

$$6w = 12 \quad \text{Adding 21 to both sides}$$

$$w = 2 \quad \text{Dividing both sides by 6}$$

ANSWER

$w = 2$

Continue

## 5th Attempt

The student receives a new question for the topic. The student answers incorrectly. The following events occur:

- The progress indicator turns red
- “Let’s Take a Break. Your answer is incorrect.” is displayed on the page
- The correct answer is presented on the page
- The **Work on Something Else** button directs the student to take a break from the current topic he /she is struggling with and try a new one. The current topic is moved to the end of the Topic Carousel and the student starts on the next topic

The screenshot shows the ALEKS interface for the topic "LINEAR EQUATIONS". The progress indicator is red. A message box says "Let's Take a Break. Your answer is incorrect. Correct answer:  $w = -7$ ". The problem asks to solve for  $w$  in the equation  $4w + 8 = 15w - 3w + 64$ . The student's submitted answer is  $w = 1$ . A "Work on Something Else" button is visible at the bottom.

## Scenario #3: Student Answers a Topic with a Combination of Correct and Incorrect Answers

Below are examples of the progress indicator when points are added or subtracted from the total points received.

One point is added for each question answered correctly. Double credit (two points) is added when two questions in a row are answered correctly without selecting Explanation.

The screenshot shows the ALEKS interface for the topic "REAL NUMBERS". The progress indicator is green and shows "Excellent! Keep going..." with a "+1" point indicator. The problem asks to evaluate  $18 - 24 \div (-6)$ . The student's answer is 22. A "Next" button is visible at the bottom.

One point is subtracted from the point total when a question is answered incorrectly.

REAL NUMBERS  
Order of operations with Integers

Try again... Jane

Try Again

Evaluate  $-5 - (-6) \times 7$ .

30

Explanation Re-Check

## Explanation Page

Students can view a detailed explanation of how to solve any question they encounter in Learning Mode by selecting Explanation from the question page. Blue underlined words within the explanation link to the ALEKS Dictionary.

REAL NUMBERS  
Order of operations with Integers

Jane

QUESTION

Evaluate  $-5 - (-6) \times 7$ .

EXPLANATION

There are two operations in this problem: a subtraction and a multiplication.

Subtraction  
↓  
 $-5 - (-6) \times 7$   
↑  
Multiplication

We must follow the rules for [order of operations](#).

We do multiplication and division *before* addition and subtraction.

$-5 - (-6) \times 7 = -5 - (-42)$  Do the multiplication before the subtraction.

$= -5 + 42$  Change subtraction to addition.  
Change the sign of the number that was subtracted.

$= 37$

ANSWER

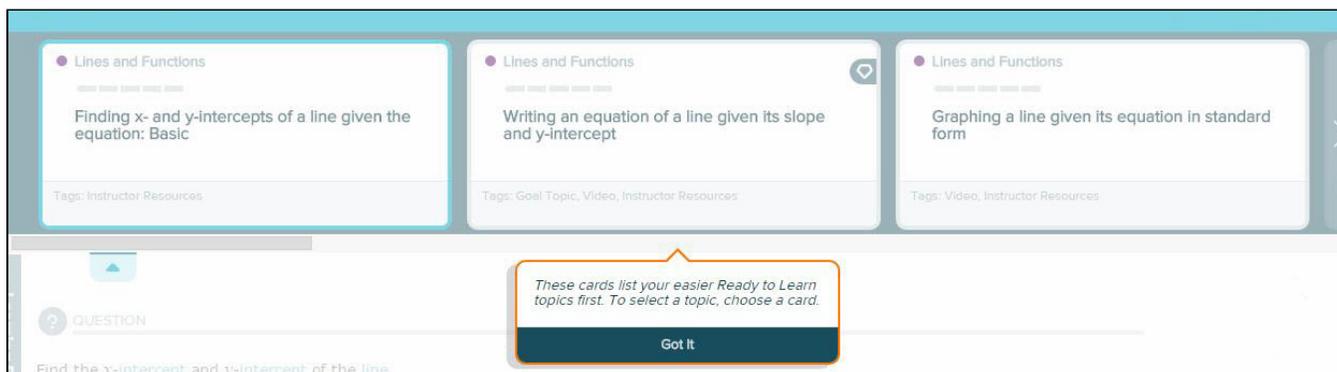
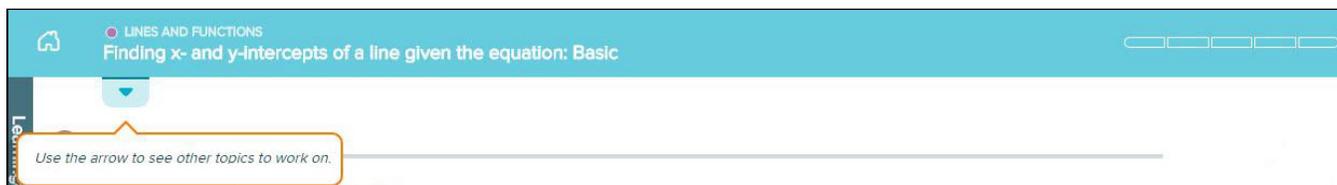
The answer is 37.

More Practice

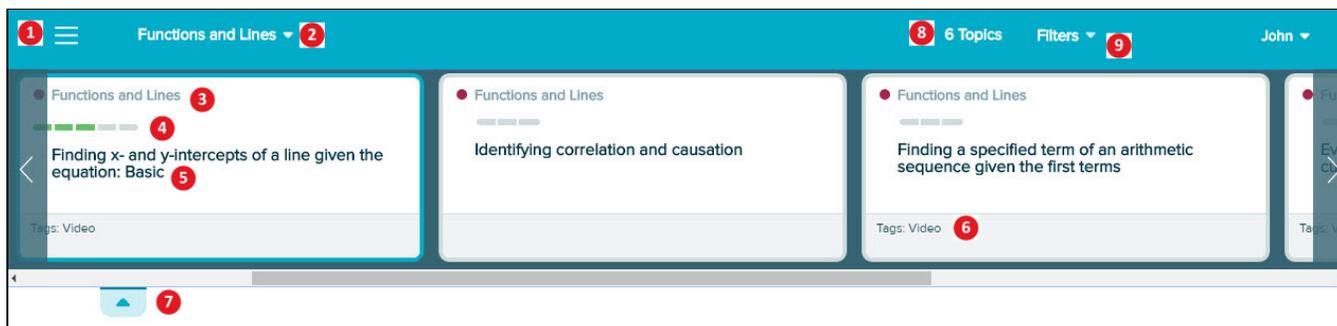
## Topic Carousel

In Learning Mode, students can access the Topic Carousel by selecting the downward arrow tab ( ). Topics are sorted from easiest to hardest, so students first work on topics they are most likely to learn. Each topic has its own card containing the slice name, the topic name, and attributes (if any). The Topic Carousel shows three cards at a time and is easy to scroll through by using the scroll bar or back/forward arrows. ALEKS offers quick tips when students encounter the Topic Carousel for the first time.

**How to Find It:** Go to Learning Mode | Select the Topic Carousel downward arrow tab



Below are descriptions of key areas of the Topic Carousel. For more detail, select any link to navigate to the applicable section of this guide.



- 1 | Menu:** Students can navigate to the homepage or other pages in the Student Module
- 2 | Ready to Learn/Pie Slice Drop-Down Menu:** Displays students' progress in each pie slice and filters available topics by specific pie slices
- 3 | Slice Name**
- 4 | Progress Indicator:** Shows how much progress the student has made in that topic and matches the topic's progress indicator in Learning Mode
- 5 | Topic Name**
- 6 | Tags:** Topics are tagged to display attributes (if any). e.g., Video, Needs More Practice
- 7 | Topic Carousel Tab:** Opens/closes the Topic Carousel
- 8 | Number of Topics:** Displays the number of topics that are loaded in the Topic Carousel
- 9 | Topic Carousel Filter:** Opens a filter menu to allow students to sort or filter the Topic Carousel by tags

## How to Switch Topics

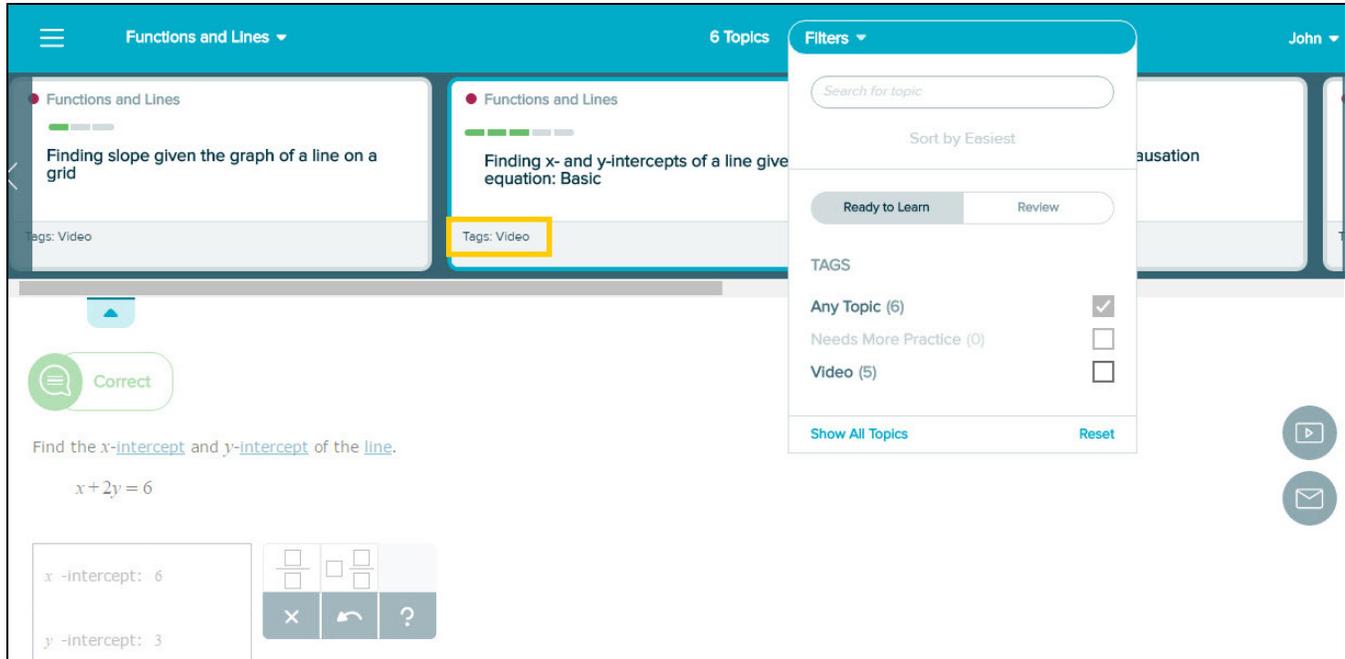
Students can switch topics at any time by selecting a new topic card in the Topic Carousel. After selecting a card, a sample question is available for preview in the bottom half of the window. Students can begin working on the new topic by selecting Start from the Learning Page.

Switching from a partially-learned topic to a different topic will not cause students to lose their work. ALEKS remembers the progress made on the topic and the next time they return to that topic, they will resume where they left off.

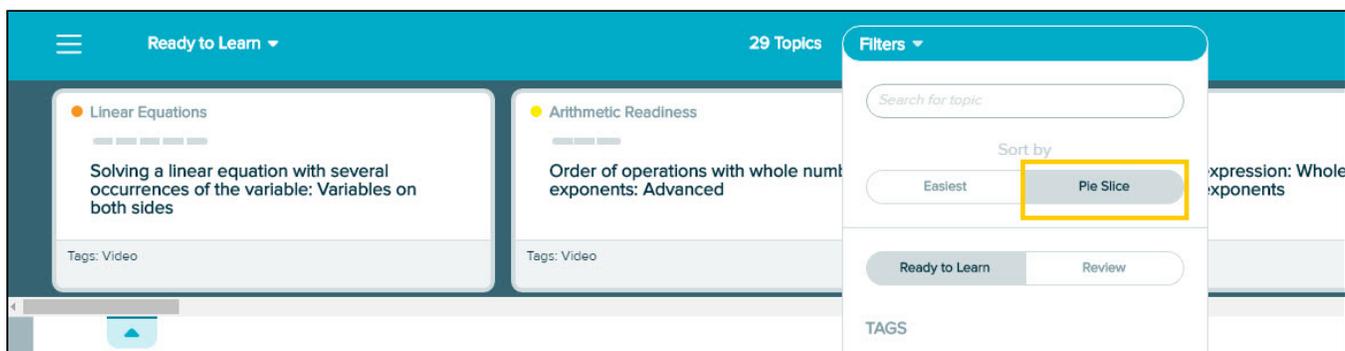
## Topic Carousel Filter

The Topic Carousel filter can reorder topics in the carousel and filter topics by specific attributes, such as Video or Needs More Practice. Students can also enter words to search for topics by name. Topics are tagged to display attributes (if any). Below is an example of a topic that is tagged with attributes.

**How to Find It:** Go to Learning Mode | Select **Filters** in the top-right corner



By default, the Topic Carousel is sorted from the easiest Ready to Learn topics to the hardest. However, if students prefer to work on Ready to Learn topics in order of pie slice, they can use the filter to reorder the Topic Carousel by selecting Pie Slice. Note: The Sort By setting is saved until a change is made, so when the filter default settings are modified, they will remain that way until the student resets or updates the filter or logs out of ALEKS.



## Review Filter

By default, the Topic Carousel displays Ready to Learn topics that remain for the student to learn. However, students can review previously Learned and Mastered topics by using the filter to load the Topic Carousel with review topics. Topics in the Review Mode are sorted from hardest to easiest, so topics the student is least likely to retain in an upcoming Knowledge Check are displayed first.

**How to Find It:** Go to Learning Mode | Select **Filters** | Select **Review**

**Alternate Navigation Route:** Select the Menu in the top-left corner | Select **Review**

The screenshot shows the ALEKS interface in Review mode. The top navigation bar includes a menu icon, the word "Review", a checkmark icon, "239 Topics", a "Filters" dropdown menu, and the user name "John". Below the navigation bar, there are two topic cards: "Polynomials and Factoring" with the subtopic "Finding the roots of a quadratic equation of the form  $ax^2 + bx = 0$ " and "Quadratic Functions and Equations" with the subtopic "Completing the square". A "Filters" dropdown menu is open, showing a search bar, "Sort by Difficulty", and two buttons: "Ready to Learn" and "Review" (which is highlighted with a yellow box). Below the buttons, there are "TAGS" with "Any Topic (239)" checked and "Video (194)" unchecked. A "Reset" button is at the bottom of the filter menu. The main content area shows a math problem: "Solve for  $w$ ." with the equation  $6w^2 + 12w = 0$ . Below the equation, there is a text box for the answer and a calculator interface.

## CELEBRATION PAGES

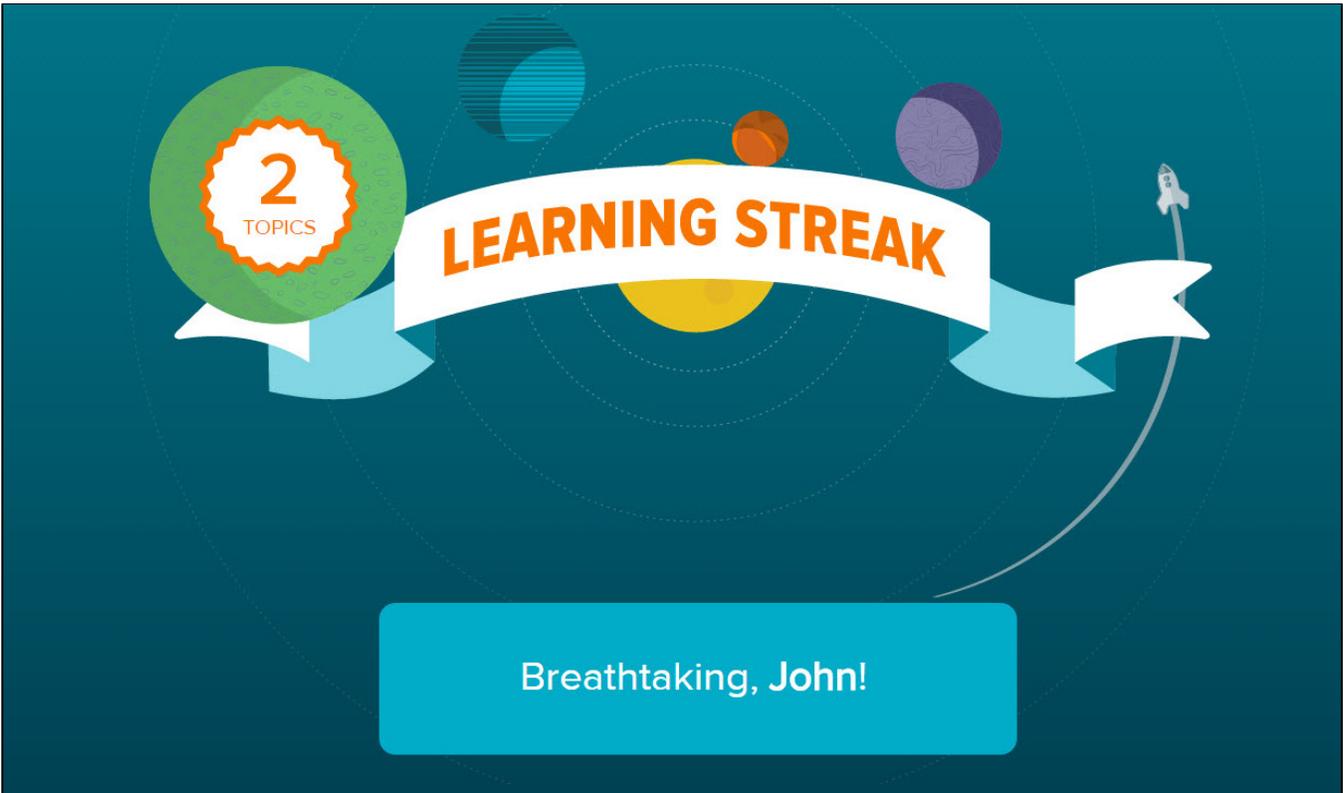
When students learn a topic, learn several topics in a row, or learn all the topics in a pie slice, ALEKS acknowledges their accomplishments by displaying congratulatory messages.

Below are some examples of Celebration Pages.

### Topic Learned



**Learning Streak (Multiple Topics Learned)**



**Pie Slice Completed**



## KNOWLEDGE CHECK

ALEKS periodically prompts students to take Progress Knowledge Checks, which ask approximately 20-25 questions, to monitor learning retention and confirm mastery of topics learned. Progress Knowledge Checks will automatically occur when students have made certain progress in Learning Mode. Typically, once students have learned at least 20 topics and spent at least five hours in Learning Mode since their last Knowledge Check, a Progress Knowledge Check will occur.

### Next Knowledge Check Indicator and Notification

The Knowledge Check Indicator is available on the homepage, to the left of the Timeline/ALEKS Pie toggle. This indicator shows students when their next Progress Knowledge Check will occur so they can anticipate the upcoming Knowledge Check and be prepared. Selecting the icon (  ) expands a box displaying information about the Knowledge Check, including the number of topics that must be learned and the amount of time that must be spent in Learning Mode before the next Knowledge Check is given.

When it's time for a Knowledge Check, a notification appears on the homepage. Once the Knowledge Check triggers, Students have up to 24 hours to start the Knowledge Check. During the 24 hours, students can start the Knowledge Check, continue working in their learning path, or review previously learned and mastered topics. To prepare for the Knowledge Check, students see a suggestion to review previously learned topics. Note that the 24 hours begins counting down as soon as the Knowledge Check becomes available and does not pause if the student logs out of ALEKS.

The screenshot shows the ALEKS interface for Algebra 1. At the top, it displays 'Mastered: 235', 'Learned: 25', and 'Remaining: 245'. A notification bell icon shows 2 alerts. The user is identified as 'Hi, John!'. The main content area is divided into two sections: 'UP NEXT : Knowledge Check' and 'WORK ON SOMETHING ELSE'. The 'UP NEXT' section features a prominent 'START KNOWLEDGE CHECK' button. The 'WORK ON SOMETHING ELSE' section includes 'Continue Class Progress' and 'Review for Knowledge Check' buttons. A progress chart on the right shows a marker at 23.

 **NOTE:** The Master Account holder has the option to request a Knowledge Check for the student at any point. When the Master Account holder has requested a Knowledge Check for the student, the student will be prompted to start that Knowledge Check immediately upon the next login. The student will not have a 24-hour period to work on other topics or review.

## Review for Knowledge Check

Students can review previously learned topics in the Review Mode by selecting Review for Knowledge Check from the Primary Guidance menu.

This screenshot is similar to the previous one, but the 'Review for Knowledge Check' button in the 'WORK ON SOMETHING ELSE' section is highlighted with a yellow box. The 'START KNOWLEDGE CHECK' button in the 'UP NEXT' section is also visible.

In Review Mode, students will begin practicing previously learned topics, which they may be assessed on in the upcoming Knowledge Check.

The screenshot shows the ALEKS interface for the topic "EXONENTS" with the subtopic "Understanding the power rules of exponents". The user is logged in as "John" and the interface is in Spanish. The main instruction is "Follow the instructions below." The problem asks to write  $(4x)^2$  without exponents. Below this, there are two input fields:  $(4x)^2 = \square$  and  $(4x)^2 = \square x \square$ . To the right of the input fields is a calculator interface with buttons for addition, multiplication, subtraction, and a question mark.

## Starting a Knowledge Check

Students can begin a Knowledge Check from the Primary Guidance Menu by selecting **START KNOWLEDGE CHECK**. If the 24-hour period has not expired, students can also choose to review by selecting **Review for Knowledge Check**, or continue to work on topics in their learning path by selecting **Continue Class Progress**.

The screenshot shows a green menu with the following options:

- UP NEXT :**
- Knowledge Check**
- START KNOWLEDGE CHECK** (button)
- Start by: Tomorrow 3:26 PM
- WORK ON SOMETHING ELSE**
- Continue Class Progress** (with a right arrow)
- Review for Knowledge Check** (with a right arrow)

If students are working in Learning Mode when a Knowledge Check becomes available, they can start the Knowledge Check by selecting **Start Knowledge Check**. They can also select **Return to Homepage** if they prefer to start later.

# It's time for a Knowledge Check.



Why am I getting this Knowledge Check?  
This is your Automatic Knowledge Check.

Return to Homepage
Start Knowledge Check

Below is an example of a question in a Knowledge Check.

☰ Knowledge Check
Question 9 
John ▾

Solve for  $v$ .

$$48 = \frac{5v - 6}{6} + \frac{9v + 2}{2}$$

Simplify your answer as much as possible.

$v =$

$\frac{\square}{\square}$

$\times$

$\leftarrow$

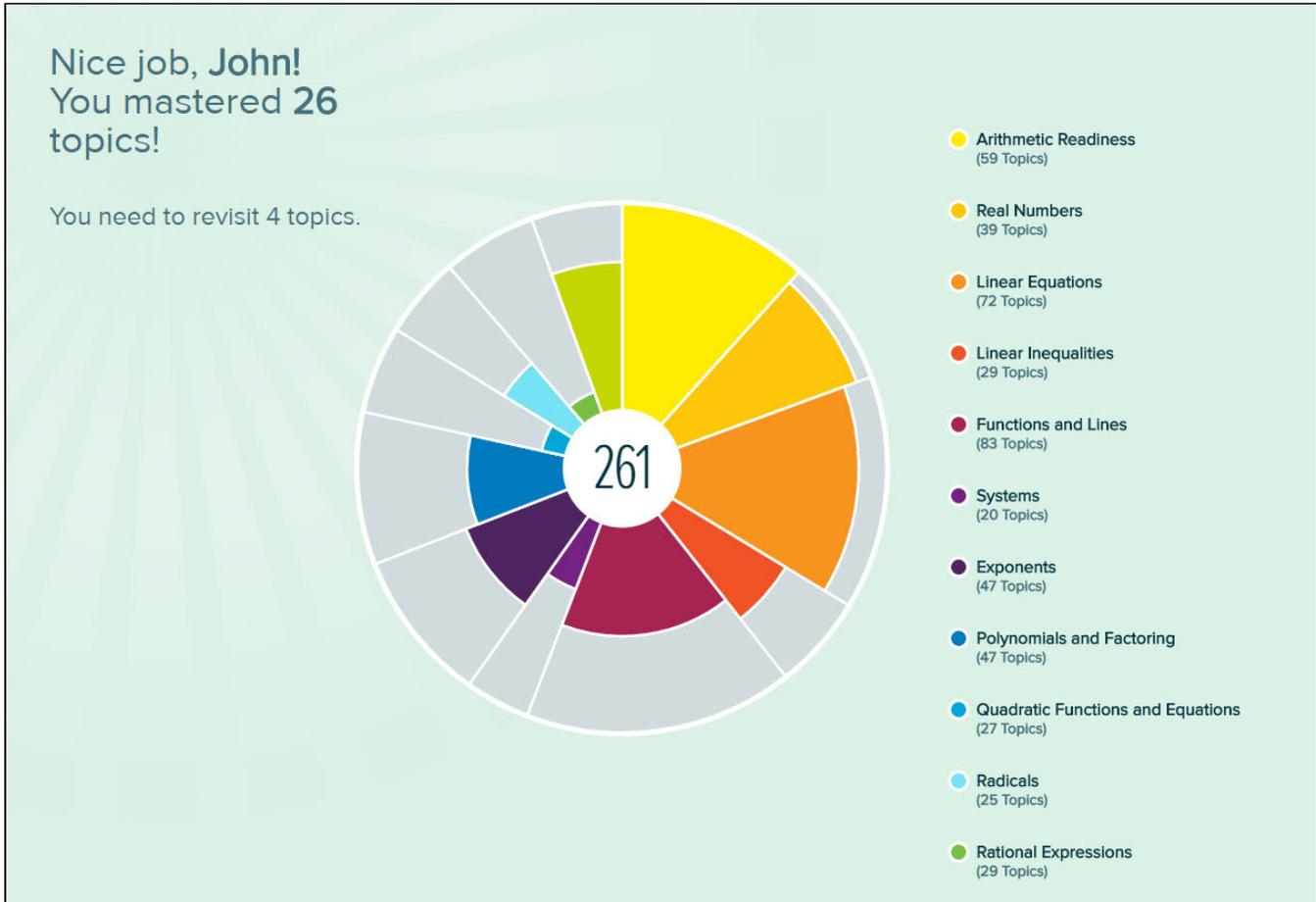
$?$

Español

## Topics Lost in Knowledge Check

After completing a Knowledge Check, students may gain or lose topics from their **Mastered** count. Both outcomes are normal as the Knowledge Check measures learning retention, and students may not immediately retain each topic they learn. The status (**Mastered**, **Learned**, or **Remaining**) of each topic in the class is updated after a Knowledge Check to reflect students' current knowledge state. Previously learned topics students retain in the Knowledge Check become **Mastered**. Previously learned topics not retained in the Knowledge Check are tagged as **Needs More Practice**. In general, after a Knowledge Check ALEKS automatically loads the Needs More Practice topics in the beginning of the Topic Carousel to help students immediately re-learn them the next time they enter Learning Mode.

After completing a Knowledge Check, students see a screen displaying their updated ALEKS Pie and the count of topics they've mastered or need more practice with.



## REVIEW TOPICS LOST IN KNOWLEDGE CHECK (NEEDS MORE PRACTICE TOPICS)

### Needs More Practice Filter

To practice and re-learn topics that were lost in a Knowledge Check, students can use the Needs More Practice filter in Learning Mode.

**How to Find It:** From the Topic Carousel, select Filters | Select **Needs More Practice**

The screenshot shows the ALEKS interface with a 'Needs More Practice' tile for 'Odds of an event' under the 'Data Analysis and Probability' topic. A 'Filters' pop-up menu is open, showing options for 'Sort by' (Easiest, Pie Slice), 'Ready to Learn' (selected), 'Review', and 'TAGS' (Any Topic (30), Needs More Practice (4) - checked, Video (20)). Below the tile, a sample question asks to find the x-intercept and y-intercept of the line  $6x + 4y = -12$ . The input fields for the x-intercept and y-intercept are empty, and a calculator is visible.

### Needs More Practice Sample Questions

From the Reports dashboard, students can view the Needs More Practice tile for a list of topics they need more practice with. (More information on the Reports dashboard can be found in the next section of this guide.) Selecting a topic displays a pop-up with a sample question for the topic.

**How to Find It:** From the Reports Dashboard, locate the Needs More Practice tile | Select any topic or select View Progress Detail for the complete list of Needs More Practice topics

The screenshot shows the 'Needs More Practice' tile with a list of topics: 'Converting a mixed number to a terminating decimal: Advanced', 'Signed fraction subtraction involving double negation', 'Signed fraction division', and 'Exponents and integers: Problem type 2 Goal Topic'. A 'View Progress Detail' button is at the bottom.

Finding outputs of a one-step function that models a real-world situation: Function notation ×

**?** SAMPLE QUESTION

Henry tutors chemistry. For each hour that he tutors, he earns 20 dollars. His earnings,  $E$  (in dollars), after tutoring for  $h$  hours is given by the following function.

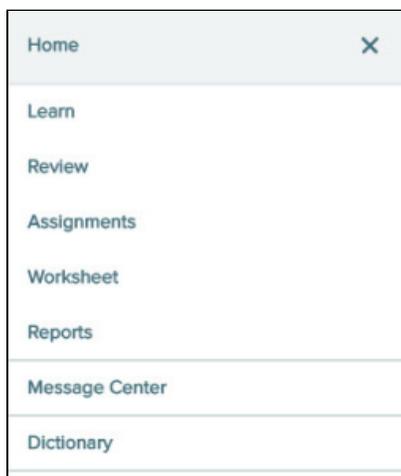
$$E(h) = 20h$$

How much does Henry earn if he tutors for 2 hours?

## MENU

The main menu in the top-left corner provides access to key areas of the Student Module.

**How to Find It:** Select the menu in the top-left corner | The menu slides open to display menu options | Close the menu by selecting the X or selecting the menu icon again



## Home

When the menu is open, students can return to their homepage by selecting Home.

**How to Find It:** Select the menu in the top-left corner | Select **Home**

## The ALEKS Logo

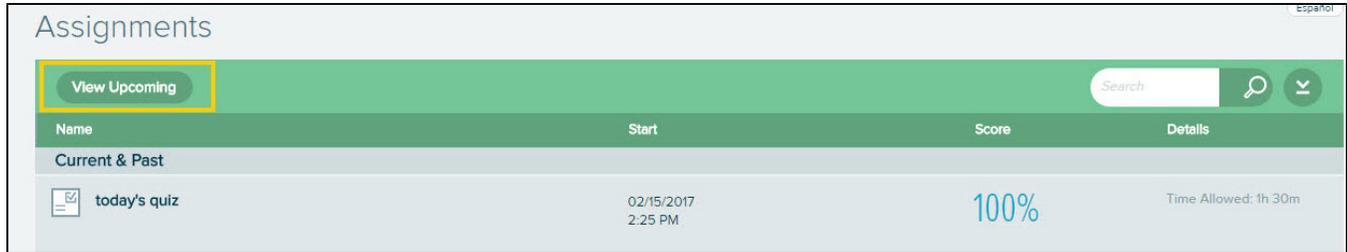
Students can also select the ALEKS logo, when visible, to navigate back to the homepage.

**How to Find It:** Located on the top-left corner | Select the **ALEKS logo**

## Assignments (Quizzes)

Students can view all current, upcoming, and past quizzes in the Assignments list. They can view scores of past quizzes, start dates and times for upcoming quizzes, and the time allowed for each quiz. Quizzes are sorted by due date, but columns are not sortable. Students must select **View Upcoming** in order to view upcoming quizzes. The table will show current and past quizzes automatically.

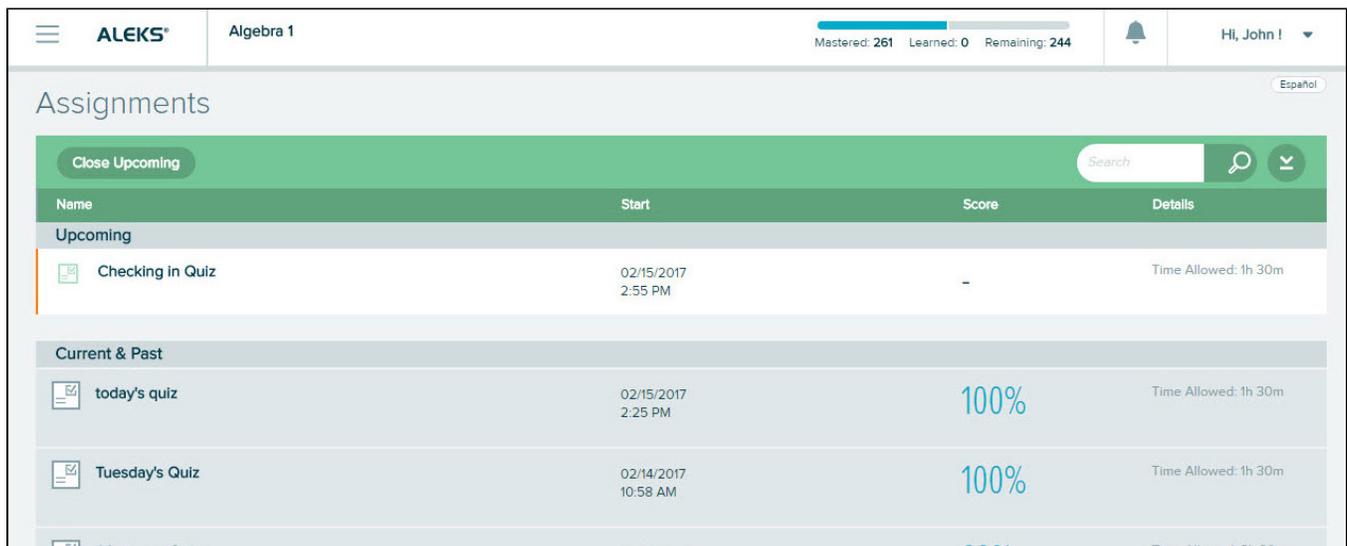
Students can select the name of a current quiz to begin taking it.



The screenshot shows the 'Assignments' page with a green header bar. A button labeled 'View Upcoming' is highlighted with a yellow box. Below the header is a table with columns: Name, Start, Score, and Details. The table is divided into two sections: 'Current & Past' and 'Upcoming'. Under 'Current & Past', there is one entry: 'today's quiz' with a start date of 02/15/2017 at 2:25 PM, a score of 100%, and a time allowed of 1h 30m.

**How to Find It:** Select the navigation Menu in the top-left corner | Select **Assignments**

More information on Assignments can be found in the next section of this guide.

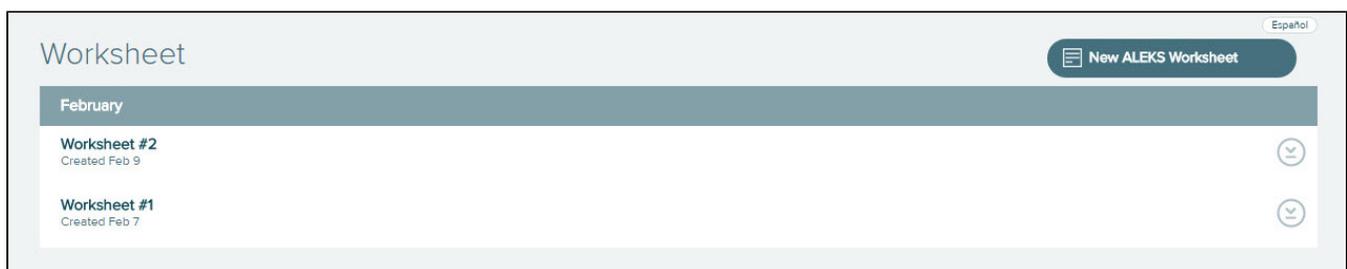


The screenshot shows the 'Assignments' page with a green header bar. A button labeled 'Close Upcoming' is visible. Below the header is a table with columns: Name, Start, Score, and Details. The table is divided into two sections: 'Upcoming' and 'Current & Past'. Under 'Upcoming', there is one entry: 'Checking in Quiz' with a start date of 02/15/2017 at 2:55 PM, a score of -, and a time allowed of 1h 30m. Under 'Current & Past', there are two entries: 'today's quiz' with a start date of 02/15/2017 at 2:25 PM, a score of 100%, and a time allowed of 1h 30m; and 'Tuesday's Quiz' with a start date of 02/14/2017 at 10:58 AM, a score of 100%, and a time allowed of 1h 30m.

## Worksheet

Students can generate printable worksheets of practice questions by selecting **Worksheet** in the menu, then selecting **New ALEKS Worksheet**. They can also re-generate a past worksheet by selecting the download icon:

**How to Find It:** Select the menu in the top-left corner | Select **Worksheet**



The screenshot shows the 'Worksheet' page with a light blue header bar. A button labeled 'New ALEKS Worksheet' is visible. Below the header is a list of worksheets. The list is divided into two sections: 'February' and 'Past Worksheets'. Under 'February', there are two entries: 'Worksheet #2' (Created Feb 9) and 'Worksheet #1' (Created Feb 7). Each entry has a download icon to its right.

Example of an ALEKS Worksheet:

# ALEKS<sup>®</sup> Worksheet

John Doe - Worksheet #1 - 02/07/2017 11:02 AM  
Algebra 1 / Doe, John (JDOE1126)

Review Questions

1. The function  $f$  is defined by the following rule.

$$f(x) = -x - 2$$

Complete the function table.

$x$	$f(x)$
-5	
-1	
0	
1	

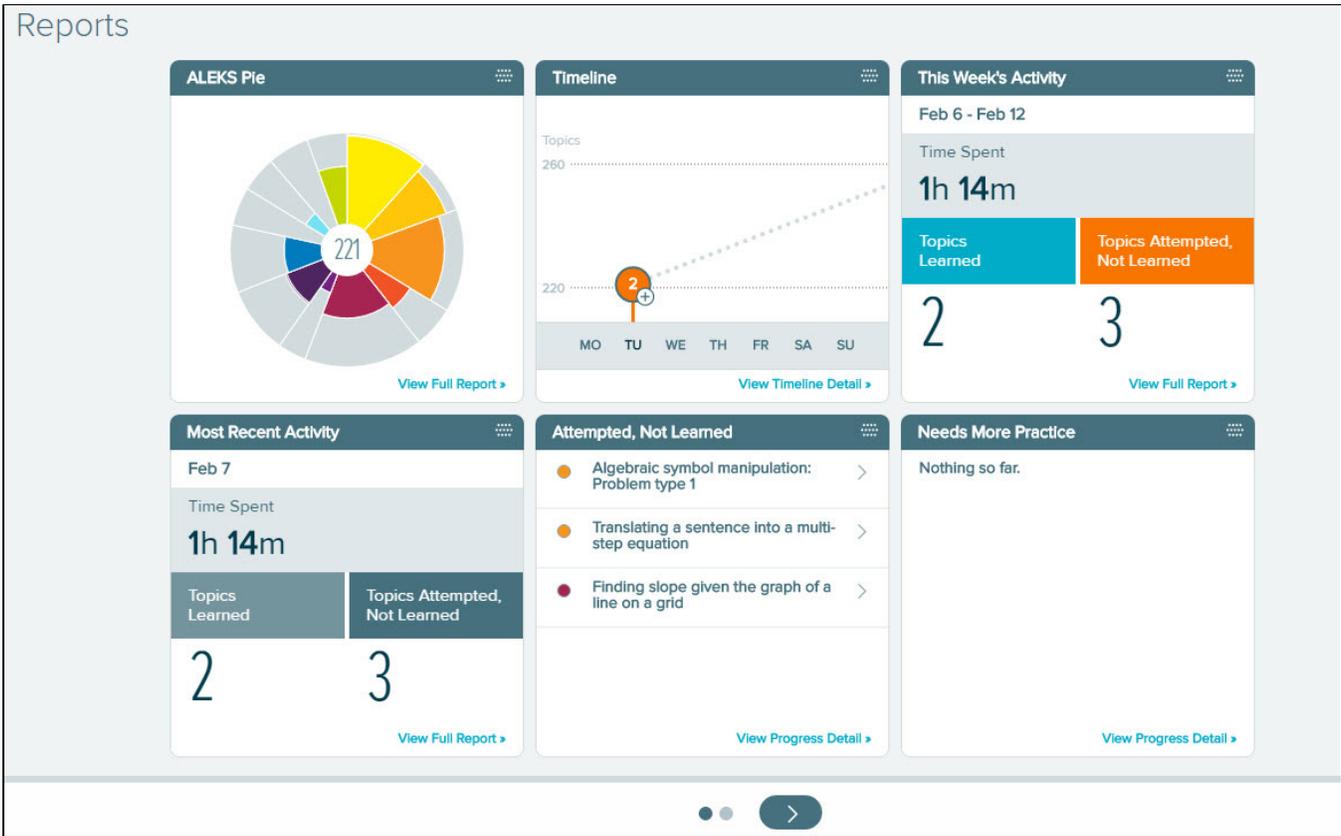
## REPORTS

The **Reports** link in the menu navigates to the Reports dashboard, which displays snapshots of important student learning data. The dashboard shows up to two pages with up to six dynamic tiles per page. From each dashboard tile, students can navigate to a full, detailed report regarding the information shown in that tile.

**How to Find It:** Select the menu in the top-left corner | Select **Reports** | To view a full, detailed report, select **View Full Report** on the applicable tile from the Reports dashboard

The tiles can be moved around on the page and placed in order of importance by selecting the tiles icon (  ) in the top-right corner of each tile and dropping it into a new position on the page or onto the second page.

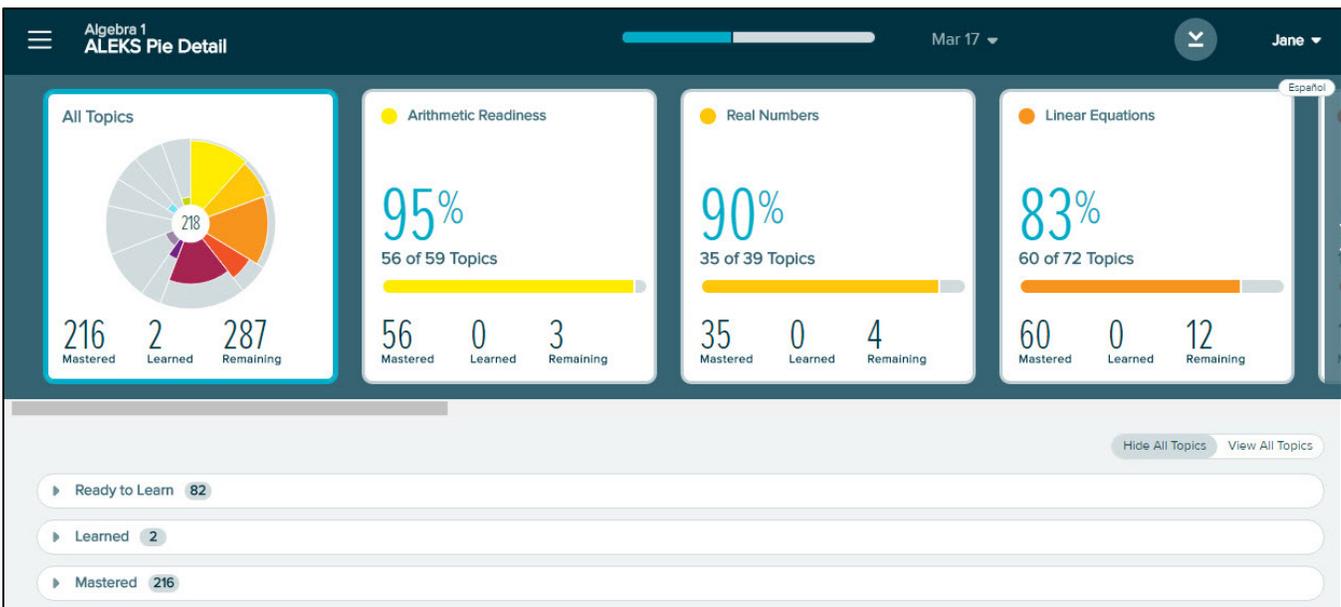
Below are examples of the tiles on the Reports dashboard.



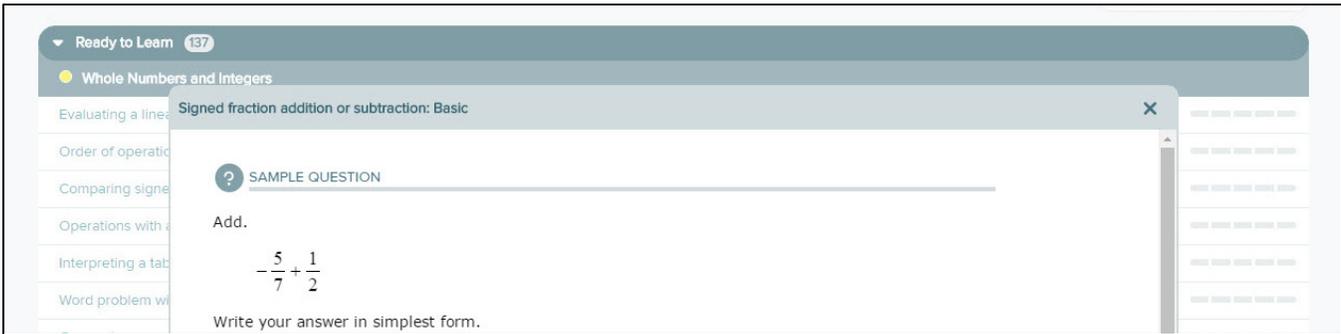
## ALEKS Pie Report

This report shows the student's class progress broken down by the topics that are Ready to Learn, Mastered, and Learned in each pie slice. The ALEKS Pie Report and other full reports can be downloaded as a PDF by selecting the downloads icon in the top-right corner of the full report.

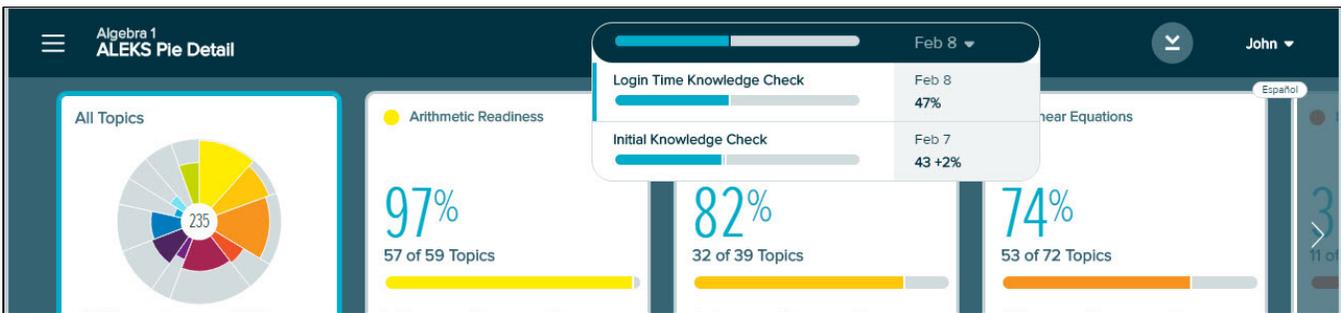
**How to Find It:** From the Reports dashboard, locate the ALEKS Pie tile | Select **View Full Report** | for PDF select (📄)



**Ready to Learn**, **Learned**, and **Mastered** category headings can be expanded to display the complete list of topics in that category for the student. Students can select any topic name to generate a sample question for that topic.



The drop-down menu at the top of the report displays progress in Knowledge Checks. Students can use this drop-down to track how they have performed across all Knowledge Checks they have completed in their class.



## Progress Report

Students can see their progress on Knowledge Checks and in Learning Mode.

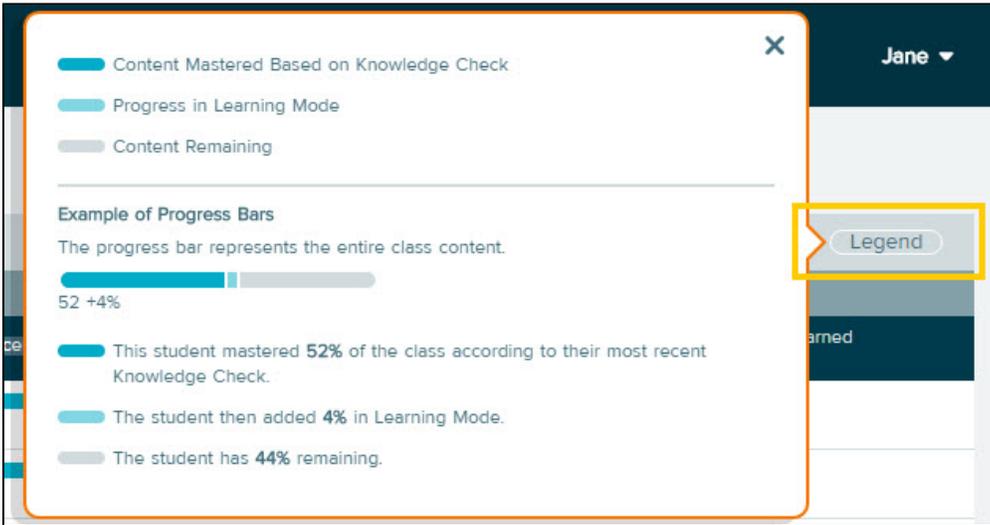
**How to Find It:** From the Reports dashboard, locate the Progress History tile | Select **View All**

Algebra 1  
Progress History

Knowledge Checks				Performance		Since Last Knowledge Check		
Reason	Start	Finish	Progress	Percent	Topics Learned	Hours in ALEKS	Topics Learned per Hour	
Progress Knowledge Check	Feb 9	Feb 9 5m 9s		52 +0%	0	5.1	0	
Login Time Knowledge Check	Feb 8	Feb 8 22m 33s		47 +4%	25	5.2	4.8	
Initial Knowledge Check	Feb 7	Feb 7 11m 16s		43 +2%	6	11	0.5	

Selecting Legend on the top-right side of the report opens a pop-up legend that explains the meaning of the colors in the progress bars. Each bar represents a Knowledge Check the student completed and

depicts topics mastered on that Knowledge Check and topics learned in Learning Mode after that Knowledge Check. The bars are displayed chronologically with the most recent Knowledge Check's bar shown first.



## All Classes Tab

If students have previously worked in a different ALEKS class, selecting the **All Classes** tab will display Knowledge Check and Learning Mode progress for past classes leading up to the current class. In the example below, the student previously worked in Algebra 1 and is currently working in Algebra 2.

Algebra 2 Progress History

John

03/29/2017 03/29/2017 0.1 6m 17s

Algebra 2 (Current Class) **All Classes** Legend

Reason	Start	Finish	Performance		Since Last Knowledge Check		
			Progress	Percent	Topics Learned	Hours in ALEKS	Topics Learned per Hour
Algebra 2 (Current Class) - 384 Topics							
Initial Knowledge Check	Mar 29	Mar 29 1m 40s		17 +1%	3	-	-
Algebra 1 - 505 Topics							
Progress Knowledge Check	Feb 9	Feb 9 5m 9s		52 +0%	4	12	0.3
Login Time Knowledge Check	Feb 8	Feb 8 22m 33s		47 +4%	25	5.2	4.8
Initial Knowledge Check	Feb 7	Feb 7 11m 16s		43 +2%	6	11	0.5

## Time and Topic Report

This report helps students understand the progress they've made in ALEKS each day, including a daily breakdown of time spent in ALEKS. The view can be adjusted to weekly or monthly.

**How to Find It:** From the Reports dashboard, locate the This Week's Activity tile | Select **View Full Report**

**1 |** The legend at the top explains how to interpret the data. Out of the total time spent in ALEKS each day (gray columns), the blue and orange sections within indicate the number of topics attempted vs. learned

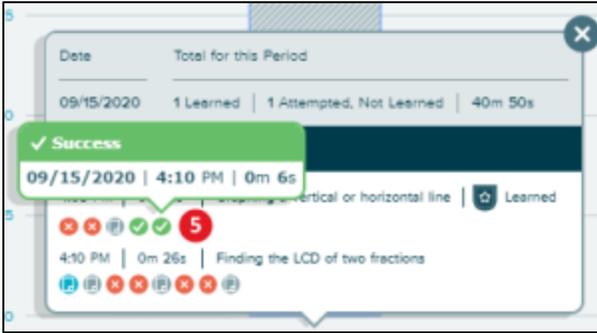
**2 |** Hovering over any day's bar shows students' total time spent in ALEKS and the count of learned topics vs. attempted topics that day



**3 |** Students can move the toggle to view the topics the student attempted, but not learned and when the student completed a Knowledge Check

**4 |** Students can select a bar to see the Learning Sequence Log, which shows the sequence of actions they took in each topic they attempted. The exact questions practiced and the answers entered can be viewed from this log

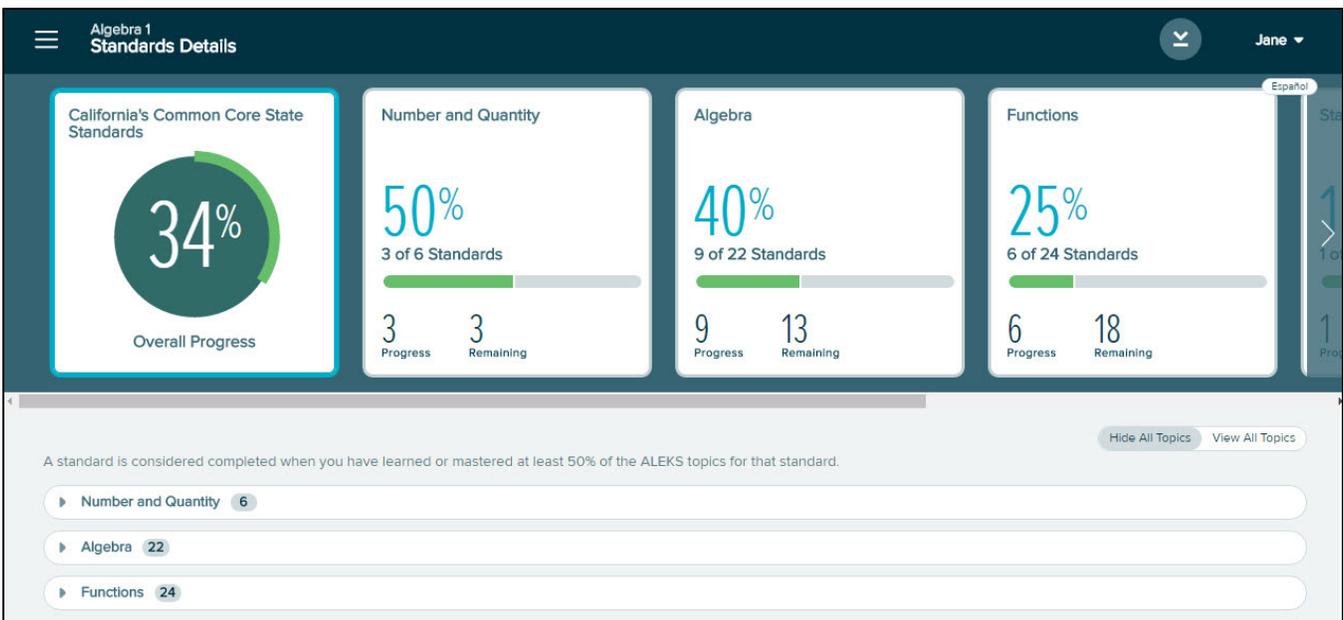
**5 |** Selecting the icons under each topic shows when the student got a question correct, incorrect, or selected Explanation. Hovering over an icon shows the time stamp



## Standards Report (available in select ALEKS classes)

Students can view this report to see their percentage progress by strand and sub-strand according to their state's standards or Common Core State Standards (if adopted by the state).

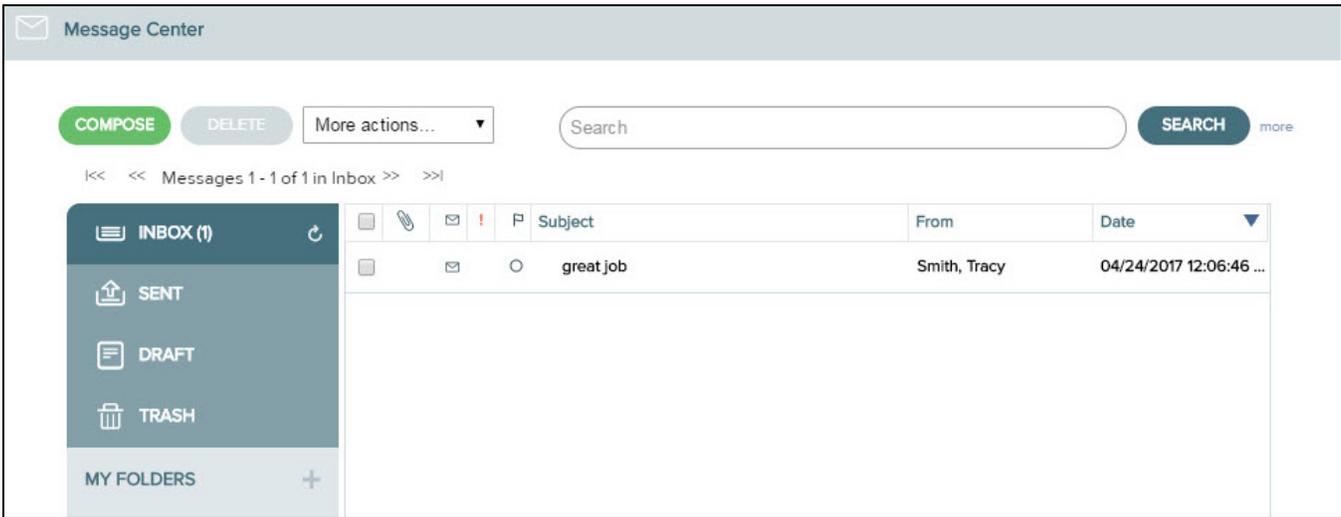
**How to Find It:** From the Reports dashboard, locate the Standards tile | Select **View Detail**



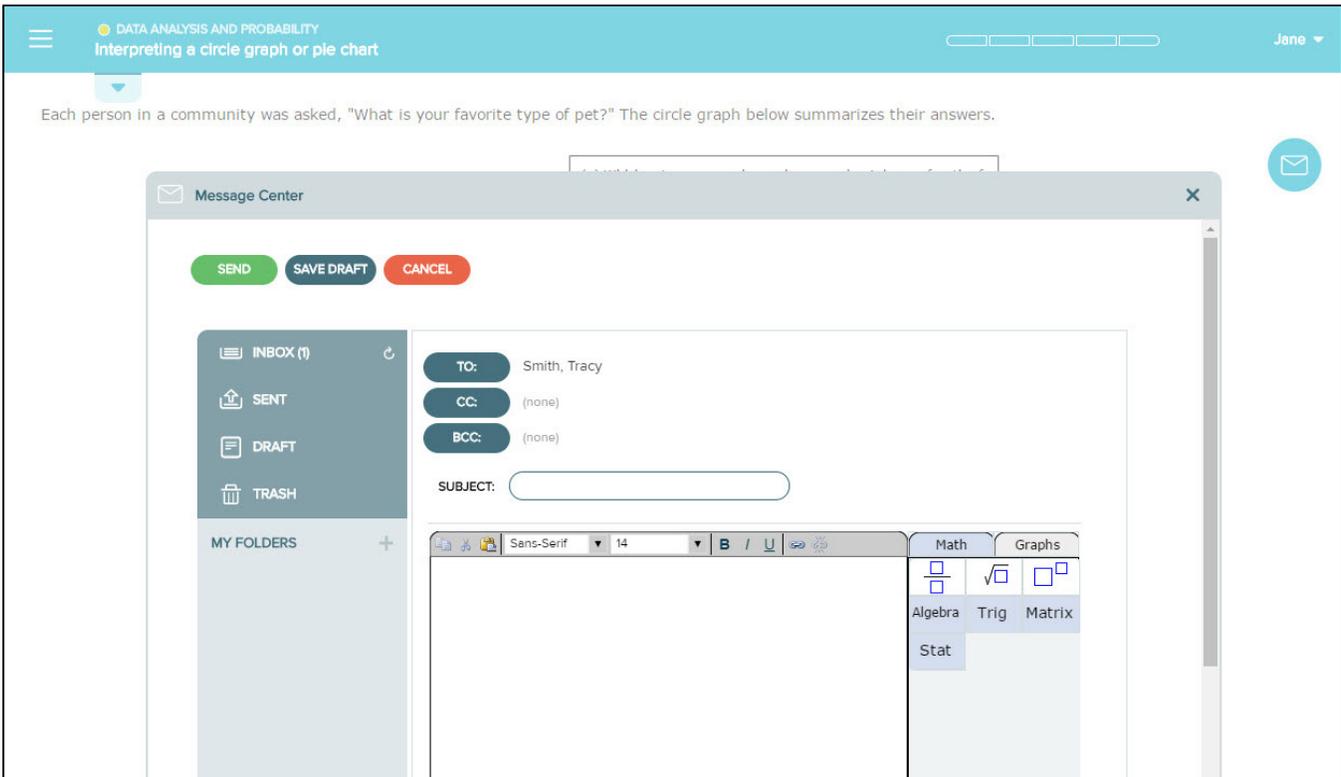
## MESSAGE CENTER

Students and Master Account holders can use the ALEKS Message Center to send and receive messages and to contact ALEKS Customer Support.

**How to Find It:** Select the menu in the top-left corner | Select **Message Center**



**Alternate Navigation Route:** In Learning Mode, students can send a message to their Master Account holder by selecting the envelope icon. When students send a message from within Learning Mode, the question they are working on will automatically be attached to the message.



## DICTIONARY

Students can search the ALEKS Dictionary for definitions of terms relevant to their class.

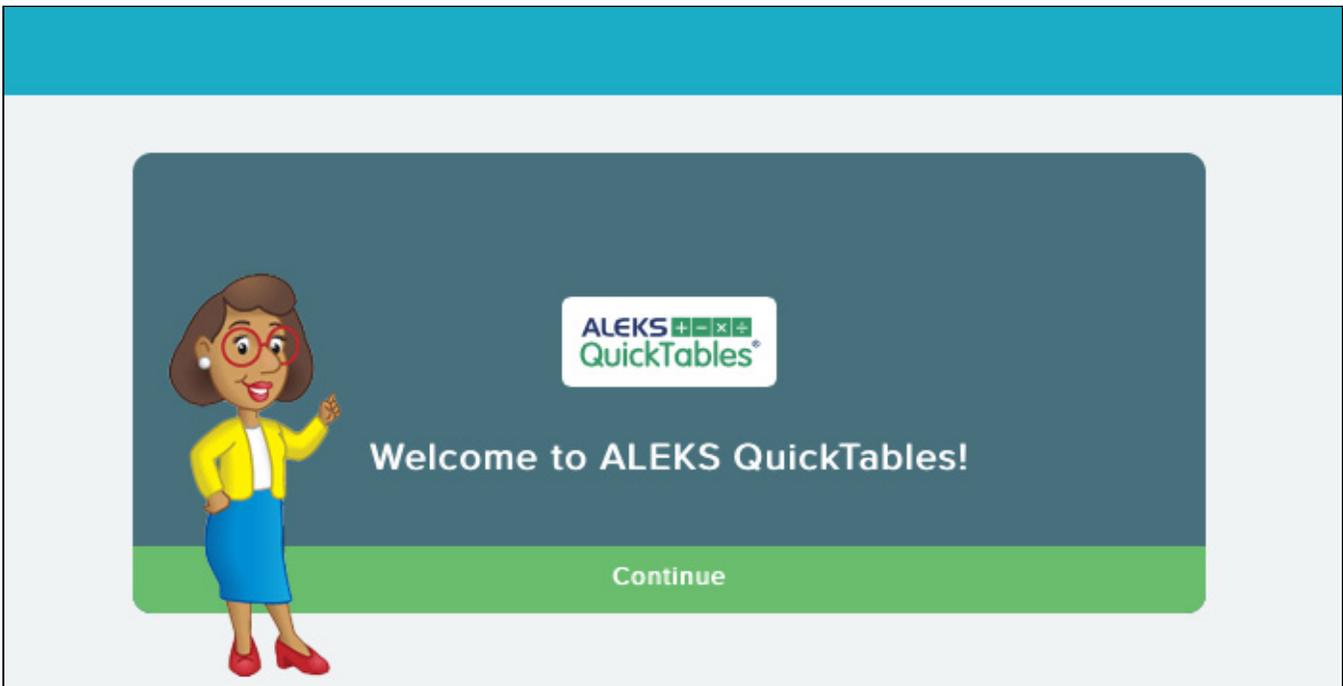
**How to Find It:** Select the menu in the top-left corner | Select **Dictionary**



## QUICKTABLES

QuickTables is a special tool in ALEKS for learning the math facts: addition, subtraction, multiplication, and division. Master Account holders can enable QuickTables in the Master Account.

**How to Find It:** Select the menu in the top-left corner | Select **QuickTables** | Select the **+** sign | Select a math table to practice



The first time students select a math table to practice, they complete an interactive tutorial and assessment. The tutorial explains how to input numbers, and the assessment determines their current knowledge of the facts in the table. Students then see a color-coded fact table in which colors correspond to their mastery level with each fact. As students practice, learn, and retain additional facts in the table, the colors will update accordingly.

QuickTables Multiplication ▾

$$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$$

QuickTables Multiplication ▾

Please select a yellow square to choose a new fact to learn.

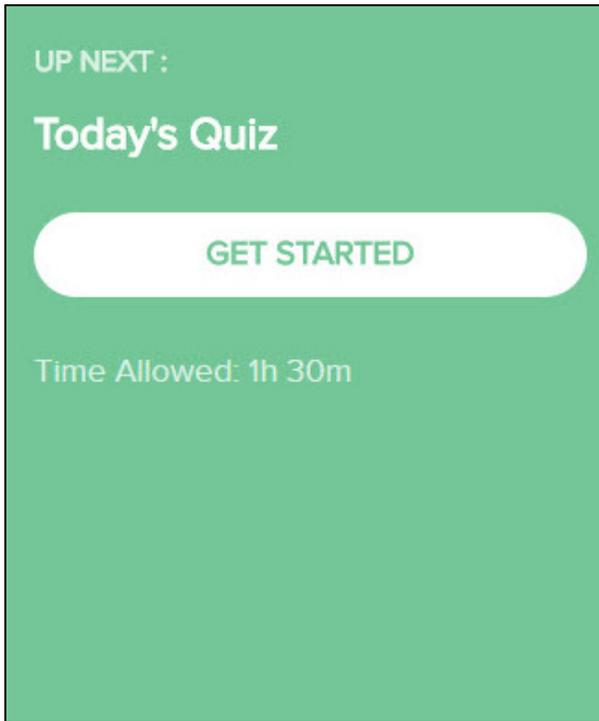
Progress: 28%

X	0	1	2	3	4	5	6	7	8	9	10	11	12
0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10	11	12
2	0	2	4	6	8	10	12	14	16	18	20	22	24
3	0	3	6	9	12	15	18	21	24	27	30	33	36
4	0	4	8	12	16	20	24	28	32	36	40	44	48
5	0	5	10	15	20	25	30	35	40	45	50	55	60
6	0	6	12	18	24	30	36	42	48	54	60	66	72
7	0	7	14	21	28	35	42	49	56	63	70	77	84
8	0	8	16	24	32	40	48	56	64	72	80	88	96
9	0	9	18	27	36	45	54	63	72	81	90	99	108
10	0	10	20	30	40	50	60	70	80	90	100	110	120
11	0	11	22	33	44	55	66	77	88	99	110	121	132
12	0	12	24	36	48	60	72	84	96	108	120	132	144

Needs Practice Almost There Mastered!

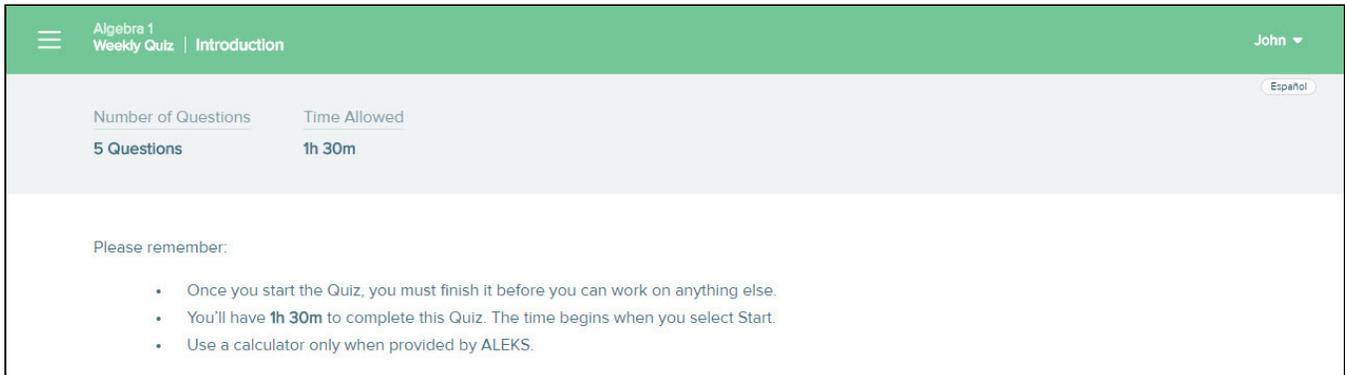
## ASSIGNMENTS (QUIZZES)

The Master Account can optionally create Assignments (quizzes) for the student. The Primary Guidance menu allows the student to start or continue quizzes as they become available.



## Assignment Introduction Pages

Before beginning a quiz, students see an introduction that displays details such as the name of the quiz, the number of questions, and the time limit.



When students begin their first quiz in ALEKS, quick tips explain how to navigate between the questions and submit the quiz.

The screenshot shows the ALEKS quiz interface. At the top, there is a green header with a menu icon, the text "Algebra 1 Weekly Quiz | 1 of 5", and "Time Remaining 1:29:45" with a progress bar. Below the header, there are five numbered circles (1-5) representing quiz questions. Question 1 is selected. The main area contains the instruction "Round 754 to the nearest ten." Below this is an input field with a cursor, and three buttons: a red 'x' for clearing the input, a blue undo arrow, and a blue question mark for help.

## Submitting Assignments

After students submit their quiz, a confirmation page displays their score.

The screenshot shows the ALEKS confirmation page. The header is green and contains a menu icon, "Algebra 1 Today's Quiz | Confirmation". Below the header is a table with quiz statistics:

Score	Submitted	Elapsed Time	Time Allowed
83%	Today 10:54 AM	1m 28s	1h 30m

Below the table, the word "Submitted" is displayed in green. Underneath, it says: "You submitted Today's Quiz Today 10:54 AM. Your score is 83%. View your report for details." At the bottom of the page, there are two buttons: "Assignments List" and "Report".

## Assignment Details

Students can view all current, upcoming, and past quizzes from the Assignments list that is also accessible from the menu.

**How to Find It:** Select the menu in the top-left corner | Select **Assignments**

## Assignment Reports

There are three ways students can view their Assignment Report to see how they performed on past quizzes: The Assignment confirmation page, the Assignments list, and the Assignments tile on the Reports dashboard.

## Assignment Confirmation Page

After submitting an quiz, students can go directly to the quiz report by selecting Report from the confirmation page.

**How to Find It:** After submitting a quiz, select Report from the confirmation page.

Algebra 1  
Review Quiz | Confirmation

Score	Submitted	Elapsed Time	Time Allowed
80%	Today 12:20 PM	0m 21s	1h 30m

**Submitted**

You submitted Review Quiz Today 12:20 PM.  
Your score is 80%. View your report for details.

Assignments List    Report

Below is an example of a quiz report

Algebra 1  
Weekly Quiz for 3/20 Report

Score	Submitted	Elapsed Time
100% (Your Best Score)	Mar 21 2:18 PM	0m 26s

1 2 3 4 5

Topic: Fractional position on a number line

**Correct (1 of 1)**

What is the position of  $B$  on the number line below?  
Write your answer as a fraction or mixed number.

0 1 2 3

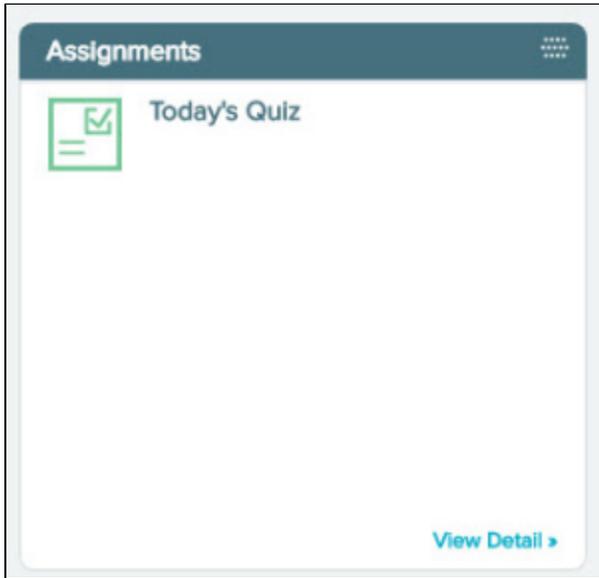
**Answer submitted:**

$1\frac{3}{4}$

## Viewing Reports from the Assignments Tile/Assignment List

**How to Find It:** Select the menu in the top-left corner | Select **Reports** | Select **View Detail** from the Assignments tile

Alternate Navigation Route: Select the menu in the top-left corner | Select **Assignments** | Locate the quiz in the list | Select the percentage in that quiz's Score column.



Upcoming			
	Checking in Quiz	02/15/2017 2:55 PM	Time Allowed: 1h 30m
Current & Past			
	today's quiz	02/15/2017 2:25 PM	100% Time Allowed: 1h 30m
	Tuesday's Quiz	02/14/2017 10:58 AM	100% Time Allowed: 1h 30m
	Afternoon Quiz	02/09/2017 4:00 PM	83% Time Allowed: 3h 30m
	Weekly Quiz	02/09/2017 12:12 PM	100% Time Allowed: 1h 30m

Algebra 1  
Weekly Quiz for 3/20 Report

Score	Submitted	Elapsed Time
100% (Your Best Score)	Mar 21 2:18 PM	0m 26s

1 2 3 4 5

Topic: Fractional position on a number line

 Correct  
(1 of 1)

What is the position of  $B$  on the number line below?  
Write your answer as a fraction or mixed number.



Answer submitted:

## CERTIFICATES OF ACHIEVEMENT

When the student reaches class completion, a special celebration page is displayed indicating the student has completed the class. The student also receives a certificate in the ALEKS Message Center that they can view and print.

Message Center

COMPOSE DELETE More actions... Search SEARCH more

Messages 1 - 12 of 12 in Inbox

			Subject	From	Date
<input type="checkbox"/>		<input type="radio"/>	Goal Completion - Print Certificate	Smith, Tracy	03/28/2017 11:36:44 ...
<input checked="" type="checkbox"/>		<input type="radio"/>	Goal Completion - Print Certificate	Smith, Tracy	03/28/2017 11:34:12 ...
<input type="checkbox"/>		<input type="radio"/>	Great Job on Today's Quiz!	Smith, Tracy	03/17/2017 12:25:16 ...
<input type="checkbox"/>		<input type="radio"/>	Yesterday's Quiz Results	Smith, Tracy	03/17/2017 12:24:38 ...
<input type="checkbox"/>		<input type="radio"/>	Review Reminder	Smith, Tracy	03/17/2017 12:23:49 ...
<input type="checkbox"/>		<input type="radio"/>	Reminder: Practice Quiz Today	Smith, Tracy	03/17/2017 12:20:23 ...

**Goal Completion - Print Certificate**

Smith 03/28/2017 11:34:12 AM PDT



**Congratulations, Jane Doe!**  
You have completed **Algebra 1**

**Keep up the great work!**

 [Print Your Certificate](#)

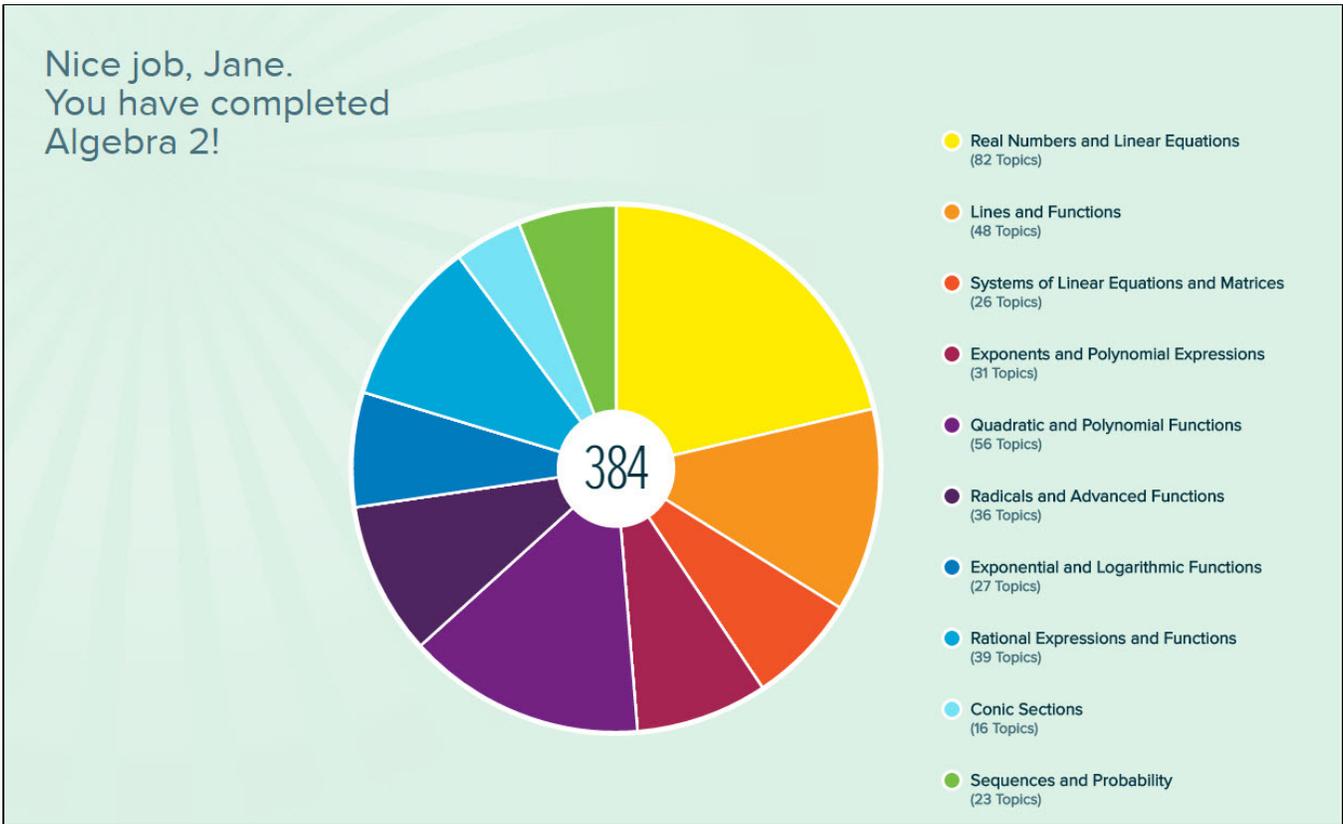
For questions, please contact ALEKS Customer Support at <https://www.lan.aleks.com:8443/support/form>

Thank you,  
ALEKS Corporation

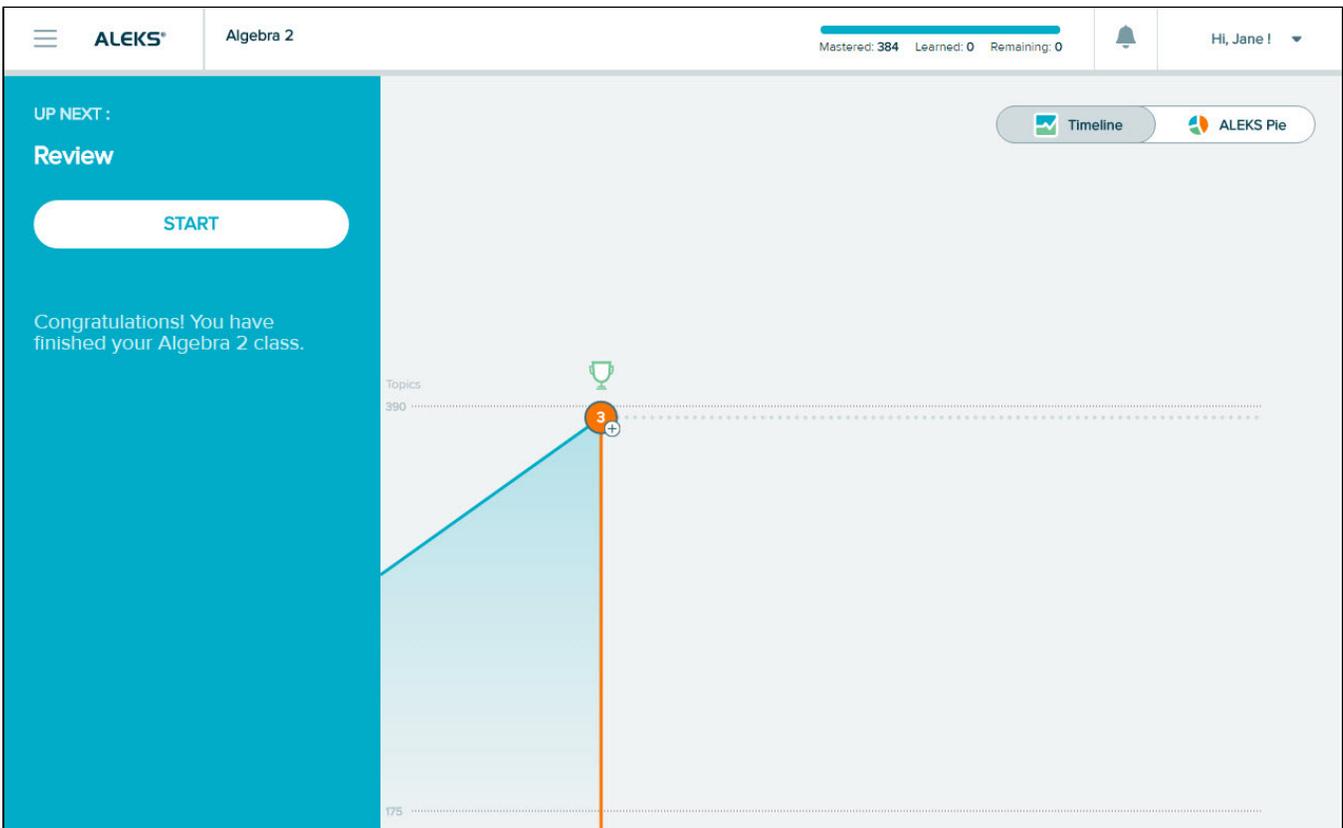


## CLASS COMPLETION

After the student learns all topics in the class and completes a final Knowledge Check, the ALEKS Pie will be completely filled in.



The homepage shows that zero topics remain and displays a congratulatory message to indicate that the student has completed the class. From the homepage, the student can choose to review mastered topics.



## ACCESSIBILITY

Students working in supported Higher Education Math classes may use a screen reader with their ALEKS class. To use a screen reader with ALEKS, students need the following system requirements: Microsoft Windows 10, JAWS 2019 or JAWS 2020, and Firefox 63+.

For students with screen reader accessibility enabled, ALEKS will, for the most part, function the same way as it does for students that do not have screen reader accessibility enabled, with a few differences. Screen reader accessibility can be enabled in the Master Account. If the Master Account setting specifies that the student is visually impaired and requires a screen reader, the student will only encounter topics that are fully accessible by screen reader. Features that are not yet accessible in the Student Module (Dictionary, Worksheets, Message Center, Calculator, Spanish Toggle) will be removed for this student.

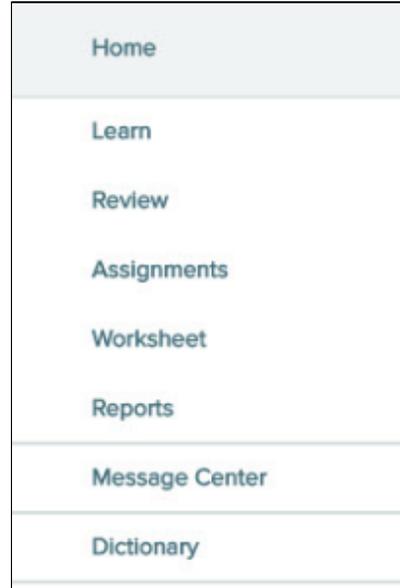
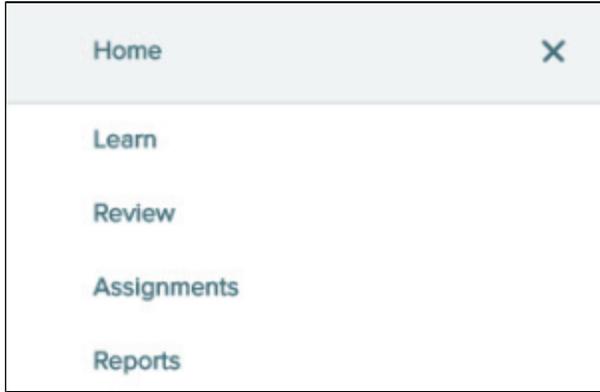
If the Master Account setting specifies that the student has some visual impairment and may require a screen reader, that student will encounter both accessible and non-accessible topics. The student will be warned with an onscreen message to seek sighted assistance when a non-accessible topic is encountered. The features that are not yet accessible in the Student Module (Dictionary, Worksheets, Message Center, Calculator, and Spanish Toggle) will be removed for this student.

### Onscreen Message for Non-Accessible Topics

The screenshot shows a navigation menu at the top with a hamburger icon on the left and the text 'DATA ANALYSIS AND STATISTICS' and 'Interpreting a bar graph'. Below the menu is a blue dropdown arrow. A prominent orange-bordered box contains the text 'Sighted Assistance Needed'. Below this is a math problem: 'A certain store sells T-shirts in 6 colors. The number of T-shirts sold questions.' Below the text is a partially visible bar graph titled 'Number of T-shirts Sold' with a vertical axis showing the number 12.

The features that have been removed are typically found in the navigation menu of the Student Module, as well as the Learning Page and question pages of topics.

Navigation Menu for Student with Accessibility Enabled	Navigation Menu for Student without Accessibility Enabled



### Learning Page for Student with Accessibility Enabled

The screenshot shows a learning page for a student with accessibility enabled. At the top, there is a teal header with a hamburger menu icon, the text "ALGEBRAIC EXPRESSIONS AND EQUATIONS" and "Combining like terms: Whole number coefficients", a progress indicator (four empty boxes), and the name "Jane" with a dropdown arrow. On the left side, there is a vertical "Learning Page" label. The main content area is divided into three sections: "QUESTION", "EXPLANATION", and "ANSWER".

**QUESTION**  
Simplify.  
 $6a + 5a$

**EXPLANATION**  
Note that  $6a$  and  $5a$  have the same variable part,  $a$ .  
So, they are like terms.  
This means we can simplify  $6a + 5a$  by adding the 6 and 5.  
We get the following.  
 $6a + 5a = 11a$

**ANSWER**  
 $11a$

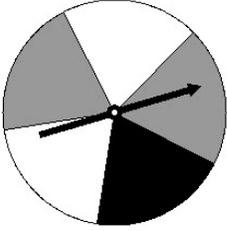
At the bottom left, there is a blue "Start" button. At the bottom right, there is a circular icon with a printer symbol.

### Learning Page for Student without Accessibility Enabled

DATA ANALYSIS AND PROBABILITY  
Odds of an event

QUESTION

A spinner with 5 equally sized slices is shown below. The dial is spun and stops on a slice at random. What are the odds in favor of landing on a black slice?



EXPLANATION

To find the odds in favor of an event, we take the ratio of the number of favorable outcomes to the number of unfavorable outcomes.

Odds in favor	=	Number of favorable outcomes	:	Number of unfavorable outcomes
---------------	---	------------------------------	---	--------------------------------

For the event *landing on a black slice*, there is 1 favorable outcome (because there is 1 black slice).

There are 4 unfavorable outcomes (because there are 4 slices that aren't black).

So the odds in favor of the event are 1:4.

ANSWER

The answer is 1:4.

Start

### Question Page for Student with Accessibility Enabled

ALGEBRAIC EXPRESSIONS AND EQUATIONS  
Combining like terms: Whole number coefficients

Simplify.

$$5x + 2x$$

Explanation Check

### Question Page for Student without Accessibility Enabled

## ALEKS Shortcut Keys

The Shortcut Keys link located within the student's account menu opens a pop-up with shortcuts that can be used to navigate the Student Module using only the keyboard.

**How to Find It:** Open the menu under the account name in the top-right corner by selecting the student's name | Select **Shortcut Keys**

Students requiring a screen reader see the accessible version of the pop-up with JAWS shortcut keys

**Shortcut Keys**

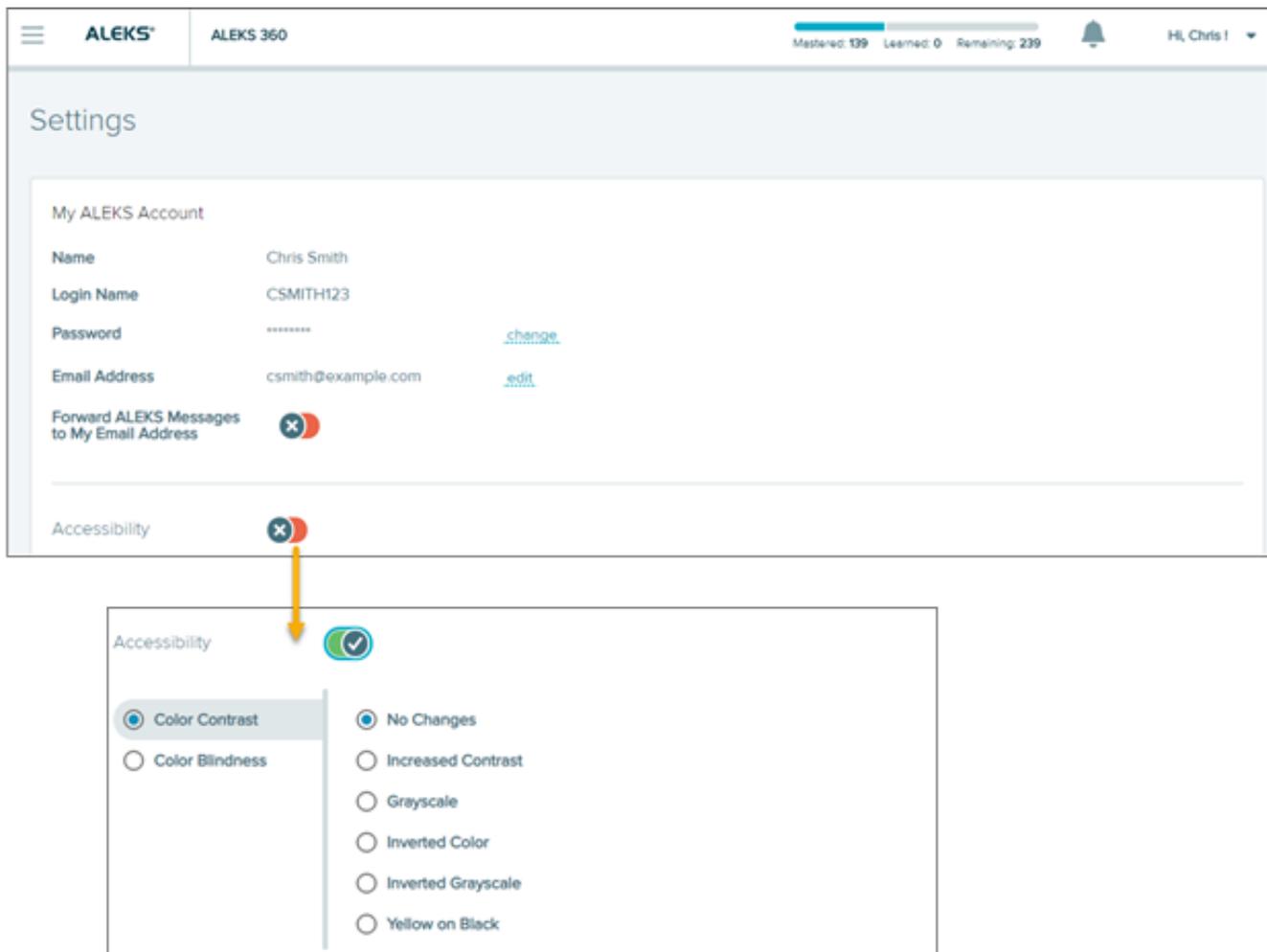
- Tab** or **Shift + Tab** Allows you to move into and out of the Answer Editor.
- Alt + Shift + N** Jumps to the first navigation button.
- Ctrl + M** Jumps to the first Answer Editor menu button.
- Ctrl + Alt + C** Submits your final answer.
- Ctrl + E** Reads the content of the Answer Editor. It will produce a beep sound to indicate where the cursor is in the mathematical expression.
- Escape** Removes focus from the Answer Editor. If you leave the Answer Editor using Escape, you will need to press the **Insert + Z** shortcut to toggle the virtual cursor.

# ACCESSIBILITY COLOR SETTINGS

There are six Accessibility color options that can be enabled for all ALEKS course products supported in the Student Module, including PPL. These settings are available to all students, regardless if accessibility settings were enabled for the class, cohort, or student.

## Student Accessibility Color Contrast/Blindness Settings

In the student's account settings, there is a toggle next to the Accessibility heading. Sliding the toggle to the right (  ) expands the section and displays separate color options in the categories of **Color Contrast** and **Color Blindness**.



### Color Contrast

After selecting the **Color Contrast** option, students can choose from six different options for their preferred color setting. Students see their screen change immediately after making a selection.

The options below are available for Color Contrast:

- **No Changes (default setting)**: Standard color settings are applied to the student's screen

- **Increased Contrast:** Changes the screen to use high contrast colors (e.g., green, blue, white) to conform with specific ratios specified by WCAG AA 2.1
  - **Grayscale:** Changes objects on the screen to shades of gray, black, and white. The grayscale display setting is an alternative high contrast/low contrast setting for accessibility
  - **Inverted Color:** Replaces a color with its opposite color. For example, black becomes white and white becomes black
  - **Inverted Grayscale:** Works in opposite of the Grayscale option. Replaces a color with its opposite color
  - **Yellow on Black:** Changes objects on the screen to shades of yellow and black

## Color Blindness

After selecting the **Color Blindness** option, students complete a two-step process to choose their preferred color setting.

**Step 1:** From the three different options available, students select the option next to the row with the least visible pies displayed in each box.

**Step 2:** Students use the interactive slider to adjust it to where all the pies in each box are visible in the selected row. Using the slider button (☰), students drag the button from left to right. As the slider is adjusted, the visibility of the pies also adjusts. Students stop dragging the slider when all pies are visible in the selected row.

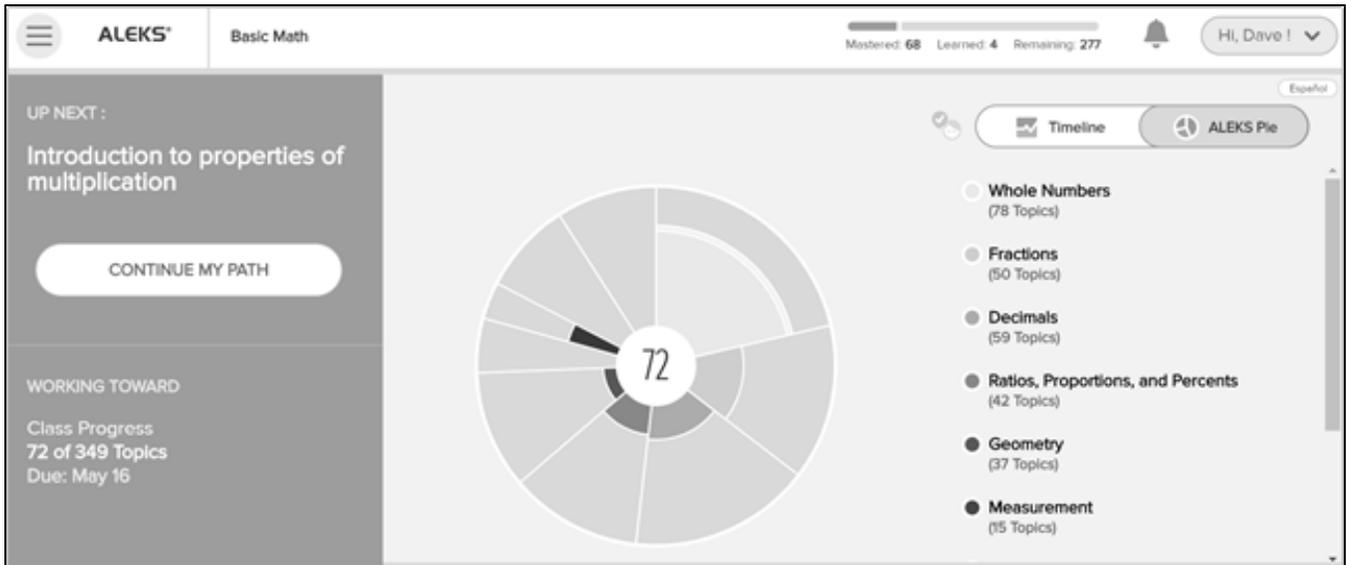
After students choose their Accessibility color contrast/blindness setting, the setting is preserved. Students can navigate to other pages of ALEKS or log out without losing their Accessibility color contrast /blindness setting. When they log back in, they will continue to see the same Accessibility color contrast /blindness setting they set before logging out.

Below are examples of what the screen looks like when the settings are on.

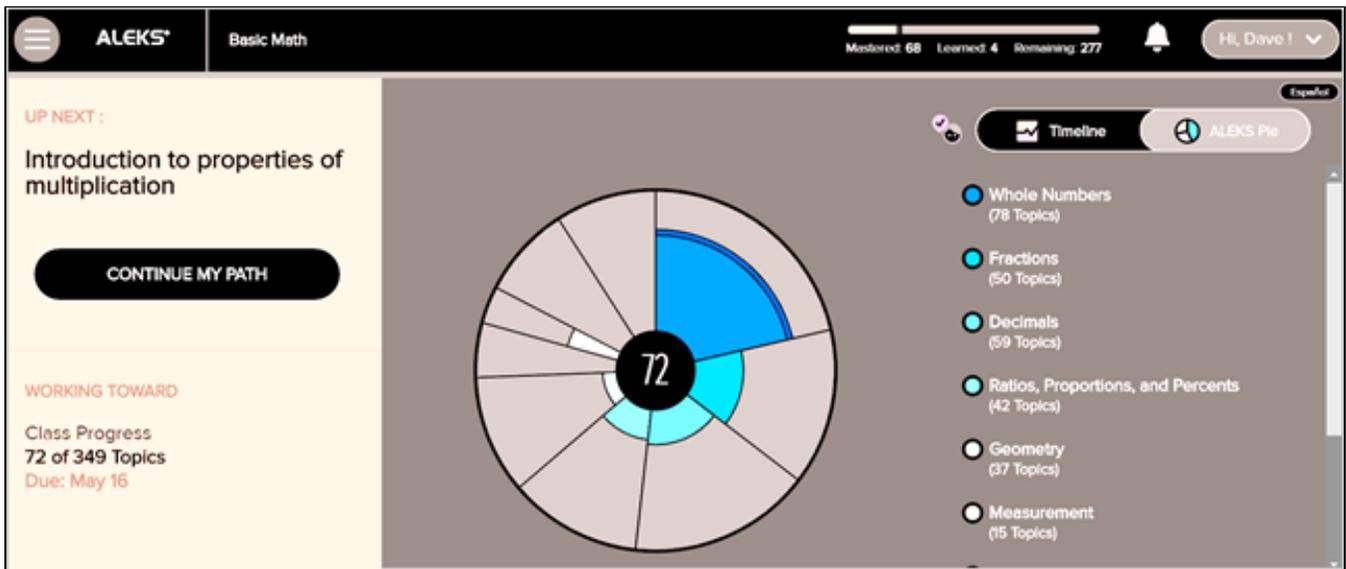
### Increase Contrast

The screenshot shows the ALEKS interface for a student named Dave. The top navigation bar includes the ALEKS logo, 'Basic Math', and progress indicators: 'Mastered: 68', 'Learned: 4', and 'Remaining: 277'. A user profile 'Hi, Dave!' is visible in the top right. The main content area is split into two sections. On the left, under 'UP NEXT:', there is a card for 'Introduction to properties of multiplication' with a 'CONTINUE MY PATH' button. Below this, under 'WORKING TOWARD:', it shows 'Class Progress 72 of 349 Topics' and 'Due: May 16'. The central part of the screen features a large circular progress indicator with a '72' in the center, divided into segments of different colors. On the right, there is a sidebar with a 'Timeline' button and an 'ALEKS Pie' button. Below these are several math topics listed with colored dots: 'Whole Numbers (78 Topics)' in yellow, 'Fractions (50 Topics)' in orange, 'Decimals (59 Topics)' in red, 'Ratios, Proportions, and Percents (42 Topics)' in dark red, 'Geometry (37 Topics)' in dark gray, and 'Measurement (15 Topics)' in black. The entire interface is rendered in high contrast colors, consistent with the 'Increased Contrast' setting.

### Grayscale



### Inverted Color



### Inverted Grayscale

The screenshot shows the ALEKS interface for a student named Dave. The top navigation bar includes the ALEKS logo, the course name 'Basic Math', and progress statistics: 'Mastered 68', 'Learned 4', and 'Remaining 277'. A user profile dropdown shows 'Hi, Dave!'. The main content area is divided into three sections. On the left, under 'UP NEXT:', the next topic is 'Introduction to properties of multiplication' with a 'CONTINUE MY PATH' button. Below this, the 'WORKING TOWARD' section shows 'Class Progress 72 of 349 Topics' and a due date of 'May 16'. The center features a large circular progress indicator with a central '72' and a pie chart showing progress across various math topics. On the right, a list of topics is displayed with radio buttons: Whole Numbers (78 Topics), Fractions (50 Topics), Decimals (59 Topics), Ratios, Proportions, and Percents (42 Topics), Geometry (37 Topics), and Measurement (15 Topics). The interface is currently in a light gray theme.

### Yellow on Black

This screenshot shows the same ALEKS interface as above, but with a 'Yellow on Black' theme. The background and navigation elements are now yellow, while the text and icons are black. The progress statistics, user profile, and topic list remain the same, but the overall color scheme is inverted to high contrast.