Pre-Algebra and Introductory Algebra

This course covers the topics outlined below and is available for use with integrated, interactive eBooks. You can customize the scope and sequence of this course to meet your curricular needs.

Curriculum (566 topics + 440 additional topics)

- Whole Numbers (83 topics)
  - Expanded Form and Numeral Translation (6 topics)
    - Whole number place value: Problem type 1
    - Whole number place value: Problem type 2
    - Expanded form
    - Expanded form with zeros
    - Numeral translation: Problem type 1
    - Numeral translation: Problem type 2
  - Addition and Subtraction (15 topics)
    - One-digit addition with regrouping
    - Addition of 3 or 4 one-digit numbers
    - Adding 2-digit numbers without regrouping
    - Adding a 2-digit number and a 1-digit number with regrouping
    - Adding 2-digit numbers with regrouping a ten
    - Adding with regrouping a hundred
    - Addition of large numbers
    - Subtracting a 1-digit number from a 2-digit number
    - Subtraction of 2-digit numbers without regrouping
    - Adding or subtracting 10, 100, or 1000
    - Subtraction of 2-digit numbers with regrouping
    - Subtraction with multiple regrouping steps
    - Subtraction and regrouping with zeros
    - Word problem with addition or subtraction of whole numbers
    - Introduction to properties of addition
  - Multiplication and Division (27 topics)
    - Multiplication as repeated addition
    - One-digit multiplication
    - Multiplication by 10, 100, and 1000
    - Multiplying 2-digit and 1-digit numbers without regrouping
    - Multiplying with regrouping
    - Multiplication with trailing zeros: Problem type 1
    - Introduction to multiplication of large numbers
    - Multiplication with trailing zeros: Problem type 2
    - Multiplication of large numbers
    - Multiples: Problem type 1
    - Multiples: Problem type 2
    - Introduction to properties of multiplication
    - Division facts
    - Word problem with multiplication or division of whole numbers
    - Word problem with multiplication and addition or subtraction of whole numbers
◊ Division of whole numbers given in fractional form
◊ Division involving zero
◊ Division without regrouping
◊ Division with regrouping
◊ Division with trailing zeros: Problem type 1
◊ Division with trailing zeros: Problem type 2
◊ Quotient with remainder: 1-digit divisor, 2-digit dividend
◊ Word problem on quotient and remainder
◊ Quotient with remainder: 1-digit divisor, 3-digit dividend
◊ Quotient with remainder: 2-digit divisor, 3-digit dividend
◊ Division with remainder involving quotients with intermediate zeros: Problem type 2
◊ Word problem with division of whole numbers and rounding: Problem type 2

♦ Ordering, Rounding, and Estimating (8 topics)
◊ Introduction to inequalities
◊ Ordering large numbers
◊ Rounding to tens or hundreds
◊ Rounding to hundreds or thousands
◊ Rounding to thousands, ten thousands, or hundred thousands
◊ Estimating a sum of whole numbers: Problem type 2
◊ Estimating a difference of whole numbers: Problem type 2
◊ Estimating a product or quotient of whole numbers

♦ Exponents and Order of Operations (10 topics)
◊ Writing expressions using exponents
◊ Introduction to exponents
◊ Power of 10: Positive exponent
◊ Introduction to parentheses
◊ Introduction to order of operations
◊ Order of operations with whole numbers
◊ Order of operations with whole numbers and grouping symbols
◊ Order of operations with whole numbers and exponents: Basic
◊ Order of operations with whole numbers and exponents: Advanced
◊ Understanding the distributive property

♦ Expressions and Equations (7 topics)
◊ Evaluating an algebraic expression: Whole number addition or subtraction
◊ Evaluating an algebraic expression: Whole number multiplication or division
◊ Evaluating an algebraic expression: Whole numbers with two operations
◊ Evaluating an algebraic expression: Whole number operations and exponents
◊ Additive property of equality with whole numbers
◊ Multiplicative property of equality with whole numbers
◊ Using two steps to solve an equation with whole numbers

♦ Prime Numbers, Factors, and Multiples (10 topics)
◊ Even and odd numbers
◊ Divisibility rules for 2, 5, and 10
◊ Divisibility rules for 3 and 9
◊ Factors
◊ Prime numbers
◊ Prime factorization
◊ Greatest common factor of 2 numbers
◊ Least common multiple of 2 numbers
◊ Least common multiple of 3 numbers
◊ Word problem with common multiples

♦ Fractions (51 topics)
◊ Equivalent Fractions (5 topics)
Introduction to fractions
Understanding equivalent fractions
Equivalent fractions
Introduction to simplifying a fraction
Simplifying a fraction

Plotting and Ordering (5 topics)
Fractional position on a number line
Plotting fractions on a number line
Ordering fractions with the same denominator
Ordering fractions with the same numerator
Using a common denominator to order fractions

Multiplication and Division (11 topics)
Product of a unit fraction and a whole number
Product of a fraction and a whole number: Problem type 1
Introduction to fraction multiplication
Fraction multiplication
Product of a fraction and a whole number: Problem type 2
Multiplication of 3 fractions
Word problem involving fractions and multiplication
The reciprocal of a number
Division involving a whole number and a fraction
Fraction division
Word problem involving fractions and division

Addition and Subtraction (9 topics)
Addition or subtraction of fractions with the same denominator
Addition or subtraction of fractions with the same denominator and simplification
Finding the LCD of two fractions
Addition or subtraction of unit fractions
Introduction to addition or subtraction of fractions with different denominators
Addition or subtraction of fractions with different denominators
Addition and subtraction of 3 fractions with different denominators
Word problem involving addition or subtraction of fractions with different denominators
Fractional part of a circle

Mixed Numbers (16 topics)
Writing a mixed number and an improper fraction for a shaded region
Writing an improper fraction as a mixed number
Writing a mixed number as an improper fraction
Addition or subtraction of mixed numbers with the same denominator
Mixed number addition with the same denominator and renaming
Mixed number subtraction with the same denominator and renaming
Addition or subtraction of mixed numbers with different denominators without renaming
Addition of mixed numbers with different denominators and renaming
Subtraction of mixed numbers with different denominators and renaming
Addition and subtraction of 3 mixed numbers with different denominators
Word problem involving addition or subtraction of mixed numbers with different denominators
Mixed number multiplication
Multiplication of a mixed number and a whole number
Division with a mixed number and a whole number
Mixed number division
Word problem involving multiplication or division with mixed numbers

Exponents and Order of Operations (5 topics)
Exponents and fractions
Order of operations with fractions: Problem type 1
Order of operations with fractions: Problem type 2
Order of operations with fractions: Problem type 3
Complex fraction without variables: Problem type 1

- Decimals, Proportions, and Percents (104 topics)
  - Place Value, Ordering, and Rounding (10 topics)
    - Decimal place value: Tenths and hundredths
    - Decimal place value: Hundreds to ten thousandths
    - Writing a decimal number less than 1 given its name
    - Writing a decimal number greater than 1 given its name
    - Writing a decimal number given its name: Advanced
    - Reading decimal position on a number line: Tenths
    - Reading decimal position on a number line: Hundredths
    - Introduction to ordering decimals
    - Ordering decimals
    - Rounding decimals
  - Converting Decimals to Fractions (7 topics)
    - Converting a decimal to a proper fraction without simplifying: Basic
    - Converting a decimal to a proper fraction without simplifying: Advanced
    - Converting a decimal to a proper fraction in simplest form: Basic
    - Converting a decimal to a proper fraction in simplest form: Advanced
    - Converting a decimal to a mixed number and an improper fraction without simplifying
    - Converting a decimal to a mixed number and an improper fraction in simplest form: Basic
    - Converting a decimal to a mixed number and an improper fraction in simplest form: Advanced
  - Addition and Subtraction (10 topics)
    - Addition of aligned decimals
    - Decimal addition with 3 numbers
    - Subtraction of aligned decimals
    - Decimal subtraction: Basic
    - Decimal subtraction: Advanced
    - Decimal addition and subtraction with 3 or more numbers
    - Estimating a decimal sum or difference
    - Word problem with addition or subtraction of 2 decimals
    - Word problem with addition of 3 or 4 decimals and whole numbers
    - Word problem with subtraction of a whole number and a decimal: Regrouping with zeros
  - Multiplication (10 topics)
    - Introduction to decimal multiplication
    - Multiplying a decimal by a whole number
    - Decimal multiplication: Problem type 1
    - Decimal multiplication: Problem type 2
    - Multiplication of a decimal by a power of ten
    - Multiplication of a decimal by a power of 0.1
    - Multiplying decimals less than 1: Problem type 2
    - Word problem with multiplication of a decimal and a whole number
    - Word problem with multiplication of two decimals
    - Word problem with decimal addition and multiplication
  - Division (10 topics)
    - Whole number division with decimal answers
    - Division of a decimal by a whole number
    - Division of a decimal by a 1-digit decimal
    - Division of a decimal by a 2-digit decimal
    - Division of a decimal by a power of ten
    - Decimal division with rounding
    - Word problem with division of a decimal and a whole number
Word problem with division of two decimals
Word problem with decimal subtraction and division
Solving a one-step word problem using the formula d = rt

Converting Fractions to Decimals (11 topics)
- Converting a fraction with a denominator of 10 or 100 to a decimal
- Converting a fraction with a denominator of 100 or 1000 to a decimal
- Ordering fractions and decimals
- Converting a fraction to a terminating decimal: Basic
- Converting a fraction to a terminating decimal: Advanced
- Converting a fraction to a repeating decimal: Basic
- Converting a fraction to a repeating decimal: Advanced
- Using a calculator to convert a fraction to a rounded decimal
- Converting a mixed number to a terminating decimal: Basic
- Converting a mixed number to a terminating decimal: Advanced
- Converting a fraction or mixed number to a rounded decimal

Exponents and Order of Operations (4 topics)
- Squaring decimal bases: Products greater than 0.1
- Exponents and decimals: Products less than 0.1
- Order of operations with decimals: Problem type 1
- Order of operations with decimals: Problem type 2

Ratios and Unit Rates (8 topics)
- Writing ratios using different notations
- Writing ratios for real-world situations
- Simplifying a ratio of whole numbers: Problem type 1
- Simplifying a ratio of decimals
- Finding a unit price
- Computing unit prices to find the better buy
- Solving a word problem on proportions using a unit rate
- Word problem on unit rates associated with ratios of whole numbers: Decimal answers

Introduction to Proportions (4 topics)
- Solving a proportion of the form x/a = b/c
- Word problem on proportions: Problem type 1
- Word problem on proportions: Problem type 2
- Word problem with powers of ten

Converting Between Fractions, Decimals, and Percentages (12 topics)
- Converting a fraction with a denominator of 100 to a percentage
- Converting a percentage to a fraction with a denominator of 100
- Finding the percentage of a grid that is shaded
- Introduction to converting a percentage to a decimal
- Introduction to converting a decimal to a percentage
- Converting between percentages and decimals
- Converting between percentages and decimals in a real-world situation
- Converting a percentage to a fraction in simplest form
- Converting a fraction to a percentage: Denominator of 4, 5, or 10
- Converting a fraction to a percentage: Denominator of 20, 25, or 50
- Using a calculator to convert a fraction to a rounded percentage
- Converting a fraction to a percentage in a real-world situation

Applications Involving Percentages (18 topics)
- Finding a percentage of a whole number
- Finding a percentage of a whole number without a calculator: Basic
- Finding a percentage of a whole number without a calculator: Advanced
- Applying the percent equation: Problem type 1
- Applying the percent equation: Problem type 2
Finding a percentage of a total amount: Real-world situations
Finding a percentage of a total amount without a calculator: Sales tax, commission, discount
Writing a ratio as a percentage without a calculator
Finding the rate of a tax or commission
Finding the total amount given the percentage of a partial amount
Finding the final amount given the original amount and a percentage increase or decrease
Finding the sale price given the original price and percent discount
Finding the sale price without a calculator given the original price and percent discount
Finding the total cost including tax or markup
Finding the original price given the sale price and percent discount
Finding the percentage increase or decrease: Basic
Finding the percentage increase or decrease: Advanced
Finding simple interest without a calculator

• Geometry (42 topics)
  ◆ Perimeter (5 topics)
    ◦ Perimeter of a polygon
    ◦ Perimeter of a square or a rectangle
    ◦ Perimeter of a polygon involving mixed numbers and fractions
    ◦ Finding the missing length in a figure
    ◦ Perimeter of a piecewise rectangular figure
  ◆ Lines, Angles, and Triangles (8 topics)
    ◦ Identifying parallel and perpendicular lines
    ◦ Measuring an angle with the protractor
    ◦ Acute, obtuse, and right angles
    ◦ Finding supplementary and complementary angles
    ◦ Identifying supplementary and vertical angles
    ◦ Acute, obtuse, and right triangles
    ◦ Classifying scalene, isosceles, and equilateral triangles by side lengths or angles
    ◦ Finding an angle measure of a triangle given two angles
  ◆ Area of Polygons (12 topics)
    ◦ Area of a square or a rectangle
    ◦ Perimeter and area on a grid
    ◦ Area of a rectangle involving fractions
    ◦ Area of a rectangle involving mixed numbers and fractions
    ◦ Distinguishing between the area and perimeter of a rectangle
    ◦ Finding the side length of a rectangle given its perimeter or area
    ◦ Area of a piecewise rectangular figure
    ◦ Word problem involving the area between two rectangles
    ◦ Area of a triangle
    ◦ Area involving rectangles and triangles
    ◦ Area of a parallelogram
    ◦ Area of a trapezoid
  ◆ Circumference and Area of Circles (4 topics)
    ◦ Circumference of a circle
    ◦ Perimeter involving rectangles and circles
    ◦ Circumference and area of a circle
    ◦ Area involving rectangles and circles
  ◆ Volumes (3 topics)
    ◦ Volume of a rectangular prism made of unit cubes
    ◦ Volume of a rectangular prism
    ◦ Volume of a cylinder
  ◆ Surface Areas (1 topics)
    ◦ Surface area of a cube or a rectangular prism
Square Roots and the Pythagorean Theorem (7 topics)
- Square root of a perfect square
- Using a calculator to approximate a square root
- Estimating a square root
- Square root of a rational perfect square
- Introduction to the Pythagorean Theorem
- Pythagorean Theorem
- Word problem involving the Pythagorean Theorem
Congruent and Similar Figures (2 topics)
- Similar polygons
- Indirect measurement
Measurement and Data Analysis (26 topics)
- U.S. Customary Units of Measurement (8 topics)
  - Choosing U.S. Customary measurement units
  - U.S. Customary unit conversion with whole number values
  - Conversions involving measurements in feet and inches
  - Adding measurements in feet and inches
  - U.S. Customary unit conversion with whole number values: Two-step conversion
  - U.S. Customary unit conversion with mixed number values: One-step conversion
  - U.S. Customary unit conversion with mixed number values: Two-step conversion
  - U.S. Customary area unit conversion with whole number values
- Metric Units of Measurement (5 topics)
  - Choosing metric measurement units
  - Metric distance conversion with whole number values
  - Metric mass or volume conversion with whole number values
  - Metric distance conversion with decimal values
  - Metric conversion with decimal values: Two-step problem
- Time and Temperature (2 topics)
  - Time unit conversion with whole number values
  - Converting between temperatures in Fahrenheit and Celsius
- Converting Between Measurement Systems (1 topics)
  - Converting between metric and U.S. Customary unit systems
- Tables and Graphs of Data (7 topics)
  - Interpreting a tally table
  - Constructing a bar graph for non-numerical data
  - Interpreting a bar graph
  - Interpreting a double bar graph
  - Interpreting a pictograph table
  - Interpreting a line graph
  - Finding a percentage of a total amount in a circle graph
Mean, Median, and Mode (3 topics)
- Finding the mode and range of a data set
- Mean of a data set
- Mean and median of a data set
Real Numbers (48 topics)
- Plotting and Ordering (5 topics)
  - Plotting integers on a number line
  - Plotting rational numbers on a number line
  - Writing a signed number for a real-world situation
  - Ordering integers
  - Absolute value of a number
- Operations with Rational Numbers (23 topics)
  - Integer addition: Problem type 1
◊ Integer addition: Problem type 2
◊ Integer subtraction: Problem type 1
◊ Integer subtraction: Problem type 2
◊ Integer subtraction: Problem type 3
◊ Addition and subtraction with 3 integers
◊ Addition and subtraction with 4 or 5 integers
◊ Word problem with addition or subtraction of integers
◊ Integer multiplication and division
◊ Multiplication of 3 or 4 integers
◊ Identifying numbers as integers or non–integers
◊ Identifying numbers as rational or irrational
◊ Signed fraction addition or subtraction: Basic
◊ Signed fraction subtraction involving double negation
◊ Addition and subtraction of 3 fractions involving signs
◊ Signed fraction multiplication: Basic
◊ Signed fraction multiplication: Advanced
◊ Signed fraction division
◊ Signed decimal addition and subtraction
◊ Signed decimal addition and subtraction with 3 numbers
◊ Signed decimal multiplication
◊ Signed decimal division
◊ Operations with absolute value: Problem type 2

♦ Exponents and Order of Operations (6 topics)
◊ Exponents and integers: Problem type 1
◊ Exponents and integers: Problem type 2
◊ Exponents and signed fractions
◊ Order of operations with integers
◊ Order of operations with integers and exponents
◊ Complex fraction without variables: Problem type 2

♦ Evaluating Expressions (2 topics)
◊ Evaluating a linear expression: Integer multiplication with addition or subtraction
◊ Evaluating a quadratic expression: Integers

♦ Properties of Real Numbers (12 topics)
◊ Combining like terms: Whole number coefficients
◊ Combining like terms: Integer coefficients
◊ Properties of addition
◊ Multiplying a constant and a linear monomial
◊ Distributive property: Whole number coefficients
◊ Distributive property: Integer coefficients
◊ Properties of real numbers
◊ Using distribution and combining like terms to simplify: Univariate
◊ Using distribution with double negation and combining like terms to simplify: Multivariate
◊ Combining like terms in a quadratic expression
◊ Introduction to adding fractions with variables and common denominators
◊ Adding rational expressions with different denominators and a single occurrence of a variable

• Linear Equations and Inequalities (67 topics)
  ♦ One–Step Linear Equations (8 topics)
    ◊ Additive property of equality with fractions and mixed numbers
    ◊ Additive property of equality with decimals
    ◊ Additive property of equality with integers
    ◊ Additive property of equality with signed fractions
    ◊ Multiplicative property of equality with fractions
    ◊ Multiplicative property of equality with decimals
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<td><strong>Multi–Step Linear Equations (17 topics)</strong></td>
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<td>◦ Solving a linear equation with several occurrences of the variable: Variables on both sides</td>
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<td>◦ Solving a linear equation with several occurrences of the variable: Variables on both sides and fractional coefficients</td>
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<td>◦ Solving equations with zero, one, or infinitely many solutions</td>
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<td>◦ Solving a proportion of the form ((x+a)/b = c/d)</td>
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<td><strong>Solving Formulas for a Variable (7 topics)</strong></td>
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<td>◦ Solving for a variable in terms of other variables using addition or subtraction: Basic</td>
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<td>◦ Solving for a variable in terms of other variables using addition or subtraction with division</td>
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<td>◦ Solving for a variable inside parentheses in terms of other variables</td>
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<td><strong>Writing Expressions and Equations (5 topics)</strong></td>
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<td>◦ Writing a one–step expression for a real–world situation</td>
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<td>◦ Translating a phrase into a one–step expression</td>
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<td><strong>Applications (12 topics)</strong></td>
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<td>◦ Solving a fraction word problem using a linear equation of the form (Ax = B)</td>
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<td>◦ Solving a word problem with two unknowns using a linear equation</td>
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<td>◦ Solving a decimal word problem using a linear equation of the form (Ax + B = C)</td>
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<td>◦ Solving a decimal word problem using a linear equation with the variable on both sides</td>
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<td>◦ Solving a word problem involving consecutive integers</td>
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<td>◦ Solving a value mixture problem using a linear equation</td>
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<td>◦ Solving a word problem involving rates and time conversion</td>
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<td>◦ Solving a distance, rate, time problem using a linear equation</td>
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<td>◦ Finding a side length given the perimeter and side lengths with variables</td>
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<td>◦ Finding the perimeter or area of a rectangle given one of these values</td>
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<td>◦ Finding angle measures of a triangle given angles with variables</td>
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<td>◦ Finding the value for a new score that will yield a given mean</td>
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<tr>
<td><strong>Writing and Graphing Inequalities (5 topics)</strong></td>
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Translating a sentence by using an inequality symbol
Translating a sentence into a one−step inequality
Writing an inequality for a real−world situation
Graphing a linear inequality on the number line
Writing an inequality given a graph on the number line

Linear Inequalities and Applications (13 topics)
Additive property of inequality with whole numbers
Additive property of inequality with integers
Additive property of inequality with signed fractions
Additive property of inequality with signed decimals
Multiplicative property of inequality with integers
Multiplicative property of inequality with signed fractions
Solving a two−step linear inequality: Problem type 1
Solving a two−step linear inequality: Problem type 2
Solving a two−step linear inequality with a fractional coefficient
Solving a linear inequality with multiple occurrences of the variable: Problem type 1
Solving a linear inequality with multiple occurrences of the variable: Problem type 2
Solving a linear inequality with multiple occurrences of the variable: Problem type 3
Solving a decimal word problem using a two−step linear inequality

Lines and Functions (46 topics)
Ordered Pairs (5 topics)
Reading a point in the coordinate plane
Plotting a point in the coordinate plane
Table for a linear equation
Identifying solutions to a linear equation in two variables
Finding a solution to a linear equation in two variables

Graphing and Intercepts (9 topics)
Graphing a linear equation of the form y = mx
Graphing a line given its equation in slope−intercept form: Integer slope
Graphing a line given its equation in slope−intercept form: Fractional slope
Graphing a line given its equation in standard form
Graphing a vertical or horizontal line
Finding x− and y−intercepts given the graph of a line on a grid
Finding x− and y−intercepts of a line given the equation: Basic
Graphing a line given its x− and y−intercepts
Graphing a line by first finding its x− and y−intercepts

Slope (6 topics)
Classifying slopes given graphs of lines
Finding slope given the graph of a line on a grid
Finding slope given two points on the line
Finding the slope of horizontal and vertical lines
Graphing a line given its slope and y−intercept
Graphing a line through a given point with a given slope

Equations of Lines (14 topics)
Rewriting a linear equation in the form Ax + By = C
Finding the slope and y−intercept of a line given its equation in the form y = mx + b
Finding the slope and y−intercept of a line given its equation in the form Ax + By = C
Graphing a line by first finding its slope and y−intercept
Writing an equation of a line given its slope and y−intercept
Writing an equation in slope−intercept form given the slope and a point
Writing an equation in point−slope form given the slope and a point
Writing an equation of a line given the y−intercept and another point
Writing the equation of the line through two given points
Writing the equations of vertical and horizontal lines through a given point
Finding slopes of lines parallel and perpendicular to a line given in slope–intercept form
Finding slopes of lines parallel and perpendicular to a line given in the form $Ax + By = C$
Identifying parallel and perpendicular lines from equations
Writing equations of lines parallel and perpendicular to a given line through a point

- Applications (5 topics)
  - Writing and evaluating a function that models a real–world situation: Advanced
  - Writing an equation and drawing its graph to model a real–world situation: Advanced
  - Interpreting the parameters of a linear function that models a real–world situation
  - Application problem with a linear function: Finding a coordinate given the slope and a point
  - Application problem with a linear function: Finding a coordinate given two points

- Identifying Functions, Domain, and Range (3 topics)
  - Identifying functions from relations
  - Vertical line test
  - Domain and range from ordered pairs

- Function Evaluation and Applications (4 topics)
  - Table for a linear function
  - Evaluating functions: Linear and quadratic or cubic
  - Finding outputs of a one–step function that models a real–world situation: Function notation
  - Finding outputs of a two–step function with decimals that models a real–world situation: Function notation

- Systems (12 topics)
  - Systems of Linear Equations (7 topics)
    - Identifying solutions to a system of linear equations
    - Classifying systems of linear equations from graphs
    - Graphically solving a system of linear equations
    - Solving a system of linear equations using substitution
    - Solving a system of linear equations using elimination with addition
    - Solving a system of linear equations using elimination with multiplication and addition
    - Solving a 2x2 system of linear equations that is inconsistent or consistent dependent
  - Applications (5 topics)
    - Interpreting the graphs of two functions
    - Solving a word problem involving a sum and another basic relationship using a system of linear equations
    - Solving a word problem using a system of linear equations of the form $Ax + By = C$
    - Solving a value mixture problem using a system of linear equations
    - Solving a distance, rate, time problem using a system of linear equations

- Exponents and Polynomials (87 topics)
  - Product, Power, and Quotient Rules (16 topics)
    - Understanding the product rule of exponents
    - Introduction to the product rule of exponents
    - Product rule with positive exponents: Univariate
    - Product rule with positive exponents: Multivariate
    - Understanding the power rules of exponents
    - Introduction to the power of a power rule of exponents
    - Introduction to the power of a product rule of exponents
    - Power rules with positive exponents: Multivariate products
    - Power rules with positive exponents: Multivariate quotients
    - Power and product rules with positive exponents
    - Simplifying a ratio of multivariate monomials: Basic
    - Introduction to the quotient rule of exponents
    - Simplifying a ratio of univariate monomials
    - Quotient of expressions involving exponents
- Simplifying a ratio of multivariate monomials: Advanced
- Power and quotient rules with positive exponents

**Negative Exponents (14 topics)**
- Evaluating expressions with exponents of zero
- Power of 10: Negative exponent
- Evaluating an expression with a negative exponent: Whole number base
- Evaluating an expression with a negative exponent: Positive fraction base
- Evaluating an expression with a negative exponent: Negative integer base
- Rewriting an algebraic expression without a negative exponent
- Introduction to the product rule with negative exponents
- Product rule with negative exponents
- Quotient rule with negative exponents: Problem type 1
- Quotient rule with negative exponents: Problem type 2
- Power of a power rule with negative exponents
- Power rules with negative exponents
- Power and quotient rules with negative exponents: Problem type 1
- Power and quotient rules with negative exponents: Problem type 2

**Scientific Notation (7 topics)**
- Scientific notation with positive exponent
- Scientific notation with negative exponent
- Converting between scientific notation and standard form in a real-world situation
- Multiplying numbers written in scientific notation: Basic
- Multiplying numbers written in scientific notation: Advanced
- Dividing numbers written in scientific notation: Basic
- Dividing numbers written in scientific notation: Advanced

**Exponential Functions (1 topic)**
- Introduction to compound interest

**Polynomial Expressions (18 topics)**
- Degree and leading coefficient of a univariate polynomial
- Simplifying a sum or difference of two univariate polynomials
- Simplifying a sum or difference of three univariate polynomials
- Simplifying a sum or difference of multivariate polynomials
- Multiplying a univariate polynomial by a monomial with a positive coefficient
- Multiplying a univariate polynomial by a monomial with a negative coefficient
- Multiplying a multivariate polynomial by a monomial
- Multiplying binomials with leading coefficients of 1
- Multiplying binomials with leading coefficients greater than 1
- Multiplying binomials in two variables
- Multiplying conjugate binomials: Univariate
- Multiplying conjugate binomials: Multivariate
- Squaring a binomial: Univariate
- Squaring a binomial: Multivariate
- Multiplication involving binomials and trinomials in one variable
- Dividing a polynomial by a monomial: Univariate
- Dividing a polynomial by a monomial: Multivariate
- Polynomial long division: Problem type 1

**Factoring Using the GCF (6 topics)**
- Factoring a linear binomial
- Introduction to the GCF of two monomials
- Greatest common factor of three univariate monomials
- Greatest common factor of two multivariate monomials
- Factoring out a monomial from a polynomial: Univariate
- Factoring out a monomial from a polynomial: Multivariate
Factoring by Grouping (4 topics)
   ◊ Factoring out a binomial from a polynomial: GCF factoring, basic
   ◊ Factoring a univariate polynomial by grouping: Problem type 1
   ◊ Factoring a univariate polynomial by grouping: Problem type 2
   ◊ Factoring a multivariate polynomial by grouping: Problem type 1

Factoring Quadratic Trinomials (6 topics)
   ◊ Factoring a quadratic with leading coefficient 1
   ◊ Factoring a quadratic with leading coefficient greater than 1: Problem type 1
   ◊ Factoring a quadratic with leading coefficient greater than 1: Problem type 2
   ◊ Factoring a quadratic with leading coefficient greater than 1: Problem type 3
   ◊ Factoring a quadratic by the ac−method

Factoring Special Products (8 topics)
   ◊ Factoring a perfect square trinomial with leading coefficient 1
   ◊ Factoring a perfect square trinomial with leading coefficient greater than 1
   ◊ Factoring a perfect square trinomial in two variables
   ◊ Factoring a difference of squares in one variable: Basic
   ◊ Factoring a difference of squares in one variable: Advanced
   ◊ Factoring a difference of squares in two variables
   ◊ Factoring a polynomial involving a GCF and a difference of squares: Univariate
   ◊ Factoring a product of a quadratic trinomial and a monomial

Solving Quadratic Equations by Factoring (7 topics)
   ◊ Solving an equation written in factored form
   ◊ Finding the roots of a quadratic equation of the form $ax^2 + bx = 0$
   ◊ Finding the roots of a quadratic equation with leading coefficient 1
   ◊ Finding the roots of a quadratic equation with leading coefficient greater than 1
   ◊ Solving a quadratic equation needing simplification
   ◊ Solving a word problem using a quadratic equation with rational roots
   ◊ Using the Pythagorean Theorem and a quadratic equation to find side lengths of a right triangle

Other Topics Available(*): (440 additional topics)
   ♦ Whole Numbers (3 topics)
      ◊ Finding the next terms of an arithmetic sequence with whole numbers
      ◊ Finding the next terms of a geometric sequence with whole numbers
      ◊ Finding patterns in shapes
   ♦ Fractions (1 topics)
      ◊ Multi−step word problem involving fractions and multiplication
   ♦ Decimals, Proportions, and Percents (15 topics)
      ◊ Writing a decimal and a fraction for a shaded region
      ◊ Understanding decimal position on a number line using zoom: Hundredths
      ◊ Understanding decimal position on a number line using zoom: Thousandths
      ◊ Estimating a product of decimals
      ◊ Division of a decimal by a power of 0.1
      ◊ Order of operations with decimals: Problem type 3
      ◊ Addition or subtraction with a decimal and a mixed number
      ◊ Multiplication with a decimal and a fraction
      ◊ Word problem on mixed number proportions
      ◊ Converting a mixed number percentage to a decimal
      ◊ Converting a decimal percentage to a fraction
      ◊ Estimating a tip without a calculator
      ◊ Computing a percentage from a table of values
      ◊ Finding the multiplier to give a final amount after a percentage increase or decrease
Finding the original amount given the result of a percentage increase or decrease

Geometry (35 topics)

◊ Sides of polygons having the same perimeter
◊ Naming segments, rays, and lines
◊ Drawing an angle with the protractor
◊ Identifying corresponding and alternate angles
◊ Finding an angle measure for a triangle with an extended side
◊ Finding an angle measure given extended triangles
◊ Finding an angle measure given a triangle and parallel lines
◊ Naming polygons
◊ Interpreting a Venn diagram of 2 sets
◊ Identifying parallelograms, rectangles, and squares
◊ Properties of quadrilaterals
◊ Classifying parallelograms
◊ Areas of rectangles with the same perimeter
◊ Introduction to a circle: Diameter, radius, and chord
◊ Word problem involving the area between two concentric circles
◊ Area involving inscribed figures
◊ Classifying solids
◊ Vertices, edges, and faces of a solid
◊ Counting the cubes in a solid made of cubes
◊ Volume of a piecewise rectangular prism
◊ Volume of a triangular prism
◊ Volume of a pyramid
◊ Word problem involving the rate of filling or emptying a cylinder
◊ Volume of a cone
◊ Volume of a sphere
◊ Nets of solids
◊ Side views of a solid made of cubes
◊ Surface area of a piecewise rectangular prism made of unit cubes
◊ Surface area of a triangular prism
◊ Surface area of a cylinder
◊ Surface area of a sphere
◊ Identifying congruent shapes on a grid
◊ Identifying and naming congruent triangles
◊ Identifying similar or congruent shapes on a grid
◊ Similar right triangles

Measurement and Data Analysis (46 topics)

◊ Metric area unit conversion with decimal values
◊ Adding time
◊ Elapsed time
◊ Word problem with clocks
◊ Simplifying a ratio of whole numbers: Problem type 2
◊ Converting between compound units: Basic
◊ Converting between compound units: Advanced
◊ Constructing a line plot
◊ Constructing a histogram for numerical data
◊ Interpreting a stem–and–leaf plot
◊ Interpreting a circle graph or pie chart
◊ Computations from a circle graph
◊ Angle measure in a circle graph
◊ Calculating relative frequencies in a contingency table
◊ Making a reasonable inference based on proportion statistics
Finding if a question can be answered by the data
◊ Mode of a data set
◊ Average of two numbers
◊ How changing a value affects the mean and median
◊ Choosing the best measure to describe data
◊ Rejecting unreasonable claims based on average statistics
◊ Weighted mean
◊ Using back-to-back stem-and-leaf plots to compare data sets
◊ Five-number summary and interquartile range
◊ Constructing a box-and-whisker plot
◊ Using box-and-whisker plots to compare data sets
◊ Interpreting a Venn diagram of 3 sets
◊ Interpreting a tree diagram
◊ Introduction to the counting principle
◊ Counting principle
◊ Factorial expressions
◊ Computing permutations and combinations
◊ Word problem involving permutations
◊ Word problem involving combinations
◊ Introduction to the probability of an event
◊ Probability of an event
◊ Understanding likelihood
◊ Odds of an event
◊ Outcomes and event probability
◊ Probabilities involving two rolls of a die
◊ Area as probability
◊ Experimental and theoretical probability
◊ Introduction to expectation
◊ Probability of independent events
◊ Probability of dependent events
◊ Probability of the union of two events

♦ Real Numbers (8 topics)
◊ Reading the temperature from a thermometer
◊ Ordering real numbers
◊ Signed fraction addition or subtraction: Advanced
◊ Computing distances between decimals on the number line
◊ Finding the absolute error and percent error of a measurement
◊ Evaluating a linear expression: Signed fraction multiplication with addition or subtraction
◊ Evaluating a linear expression: Signed decimal addition and subtraction
◊ Evaluating a linear expression: Signed decimal multiplication with addition or subtraction

♦ Linear Equations and Inequalities (28 topics)
◊ Solving an equation to find the value of an expression
◊ Identifying properties used to solve a linear equation
◊ Solving a linear equation with several occurrences of the variable: Fractional forms with binomial numerators
◊ Introduction to solving an absolute value equation
◊ Solving an absolute value equation: Problem type 1
◊ Writing a multi-step equation for a real-world situation
◊ Solving a fraction word problem using a linear equation with the variable on both sides
◊ Solving a word problem with three unknowns using a linear equation
◊ Computing a percent mixture
◊ Solving a percent mixture problem using a linear equation
◊ Finding the radius or the diameter of a circle given its circumference
Circumference ratios
Solving equations involving vertical angles
Solving equations involving angles and a pair of parallel lines
Finding angle measures of a right or isosceles triangle given angles with variables
Translating a sentence into a multi−step inequality
Translating a sentence into a compound inequality
Graphing a compound inequality on the number line
Writing a compound inequality given a graph on the number line
Set−builder notation
Set−builder and interval notation
Union and intersection of finite sets
Identifying solutions to a two−step linear inequality in one variable
Solving inequalities with no solution or all real numbers as solutions
Solving a compound linear inequality: Graph solution, basic
Solving a compound linear inequality: Interval notation
Solving an absolute value inequality: Problem type 1
Solving a decimal word problem using a linear inequality with the variable on both sides

Lines and Functions (46 topics)
Midpoint of a line segment in the plane
Finding x− and y−intercepts of a line given the equation: Advanced
Finding the coordinate that yields a given slope
Identifying linear equations: Advanced
Identifying linear functions given ordered pairs
Writing an equation and graphing a line given its slope and y−intercept
Graphing a line given its equation in point−slope form
Writing a function rule given a table of ordered pairs: One−step rules
Writing a function rule given a table of ordered pairs: Two−step rules
Combining functions to write a new function that models a real−world situation
Comparing properties of linear functions given in different forms
Identifying independent and dependent variables from equations or real−world situations
Solving a linear equation by graphing
Sketching the line of best fit
Scatter plots and correlation
Predictions from the line of best fit
Approximating the equation of a line of best fit and making predictions
Computing residuals
Interpreting residual plots
Linear relationship and the correlation coefficient
Identifying correlation and causation
Translating the graph of an absolute value function: One step
Translating the graph of an absolute value function: Two steps
Graphing an absolute value equation of the form y = A|x|
Graphing an absolute value equation in the plane: Basic
Graphing an absolute value equation in the plane: Advanced
How the leading coefficient affects the graph of an absolute value function
Variable expressions as inputs of functions: Problem type 1
Finding inputs and outputs of a two−step function that models a real−world situation: Function notation
Domain and range of a linear function that models a real−world situation
Finding an output of a function from its graph
Finding inputs and outputs of a function from its graph
Domain and range from the graph of a discrete relation
Domain and range from the graph of a continuous function
◊ Graphing an integer function and finding its range for a given domain
◊ Graphing a function of the form \( f(x) = ax + b \): Integer slope
◊ Graphing a function of the form \( f(x) = ax + b \): Fractional slope
◊ Graphing a parabola of the form \( y = ax^2 \)
◊ Graphing a parabola of the form \( y = ax^2 + c \)
◊ Graphing a function of the form \( f(x) = ax^2 \)
◊ Graphing a function of the form \( f(x) = ax^2 + c \)
◊ Finding intercepts of a nonlinear function given its graph
◊ Finding where a function is increasing, decreasing, or constant given the graph: Interval notation
◊ Finding local maxima and minima of a function given the graph
◊ Choosing a graph to fit a narrative: Basic
◊ Choosing a graph to fit a narrative: Advanced

◆ Systems (17 topics)
◊ Solving a system of linear equations with fractional coefficients
◊ Solving a system of linear equations with decimal coefficients
◊ Identifying the operations used to create equivalent systems of equations
◊ Solving a 3x3 system of linear equations: Problem type 1
◊ Solving a word problem using a system of linear equations of the form \( y = mx + b \)
◊ Solving a percent mixture problem using a system of linear equations
◊ Solving a tax rate or interest rate problem using a system of linear equations
◊ Solving a word problem using a 3x3 system of linear equations: Problem type 1
◊ Identifying solutions to a linear inequality in two variables
◊ Graphing a linear inequality in the plane: Vertical or horizontal line
◊ Graphing a linear inequality in the plane: Slope–intercept form
◊ Graphing a linear inequality in the plane: Standard form
◊ Graphing a system of two linear inequalities: Basic
◊ Graphing a system of two linear inequalities: Advanced
◊ Graphing a system of three linear inequalities
◊ Writing a multi–step inequality for a real–world situation
◊ Solving a word problem using a system of linear inequalities: Problem type 1

◆ Exponents and Polynomials (27 topics)
◊ Ordering numbers with positive exponents
◊ Ordering numbers with negative exponents
◊ Power, product, and quotient rules with negative exponents
◊ Table for an exponential function
◊ Evaluating an exponential function that models a real–world situation
◊ Finding a final amount in a word problem on exponential growth or decay
◊ Finding the final amount in a word problem on compound interest
◊ Finding the initial amount and rate of change given an exponential function
◊ Writing an equation that models exponential growth or decay
◊ Solving an exponential equation by finding common bases: Linear exponents
◊ Graphing an exponential function: \( f(x) = a^x \)
◊ Graphing an exponential function: \( f(x) = a(b)^x \)
◊ Writing an exponential function rule given a table of ordered pairs
◊ Comparing linear, polynomial, and exponential functions
◊ Degree of a multivariate polynomial
◊ Multiplying binomials with negative coefficients
◊ Multiplication involving binomials and trinomials in two variables
◊ Polynomial long division: Problem type 2
◊ Polynomial long division: Problem type 3
◊ Closure properties of integers and polynomials
◊ Factoring a multivariate polynomial by grouping: Problem type 2
◊ Factoring a quadratic in two variables with leading coefficient 1
Factoring a quadratic in two variables with leading coefficient greater than 1
Factoring a quadratic with a negative leading coefficient
Factoring a polynomial involving a GCF and a difference of squares: Multivariate
Factoring with repeated use of the difference of squares formula
Factoring a sum or difference of two cubes

Rational Expressions (96 topics)
Restriction on a variable in a denominator: Linear
Restriction on a variable in a denominator: Quadratic
Evaluating a rational function: Problem type 1
Evaluating a rational function: Problem type 2
Domain of a rational function: Excluded values
Simplifying a ratio of factored polynomials: Linear factors
Simplifying a ratio of factored polynomials: Factors with exponents
Simplifying a ratio of polynomials using GCF factoring
Simplifying a ratio of linear polynomials: 1, −1, and no simplification
Simplifying a ratio of polynomials by factoring a quadratic with leading coefficient 1
Simplifying a ratio of polynomials: Problem type 1
Simplifying a ratio of polynomials: Problem type 2
Simplifying a ratio of polynomials: Problem type 3
Simplifying a ratio of multivariate polynomials
Multiplying rational expressions involving multivariate monomials
Multiplying rational expressions made up of linear expressions
Multiplying rational expressions involving quadratics with leading coefficients of 1
Multiplying rational expressions involving quadratics with leading coefficients greater than 1
Multiplying rational expressions involving multivariate quadratics
Dividing rational expressions involving multivariate monomials
Dividing rational expressions involving linear expressions
Dividing rational expressions involving quadratics with leading coefficients of 1
Dividing rational expressions involving multivariate quadratics
Multiplication and division of 3 rational expressions
Introduction to the LCM of two monomials
Least common multiple of two monomials
Finding the LCD of rational expressions with linear denominators: Relatively prime
Finding the LCD of rational expressions with linear denominators: Common factors
Finding the LCD of rational expressions with quadratic denominators
Writing equivalent rational expressions with monomial denominators
Writing equivalent rational expressions with polynomial denominators
Writing equivalent rational expressions involving opposite factors
Adding rational expressions with common denominators and monomial numerators
Adding rational expressions with common denominators and binomial numerators
Adding rational expressions with common denominators and GCF factoring
Adding rational expressions with common denominators and quadratic factoring
Adding rational expressions with denominators ax and bx: Basic
Adding rational expressions with denominators ax and bx: Advanced
Adding rational expressions with denominators ax^n and bx^m
Adding rational expressions with multivariate monomial denominators: Basic
Adding rational expressions with multivariate monomial denominators: Advanced
Adding rational expressions with linear denominators without common factors: Basic
Adding rational expressions with linear denominators without common factors: Advanced
Adding rational expressions with linear denominators with common factors: Basic
Adding rational expressions with linear denominators with common factors: Advanced
Adding rational expressions with denominators ax−b and b−ax
Adding rational expressions involving different quadratic denominators
Adding 3 rational expressions with different quadratic denominators
Complex fraction involving univariate monomials
Complex fraction involving multivariate monomials
Complex fraction: GCF factoring
Complex fraction: Quadratic factoring
Complex fraction made of sums involving rational expressions: Problem type 1
Complex fraction made of sums involving rational expressions: Problem type 2
Complex fraction made of sums involving rational expressions: Problem type 3
Complex fraction made of sums involving rational expressions: Problem type 4
Complex fraction made of sums involving rational expressions: Problem type 5
Complex fraction made of sums involving rational expressions: Problem type 6
Complex fraction made of sums involving rational expressions: Multivariate
Complex fraction with negative exponents: Problem type 1
Complex fraction with negative exponents: Problem type 2
Complex fraction that contains a complex fraction
Solving a proportion of the form \( \frac{a}{x+b} = \frac{c}{x} \)
Solving a rational equation that simplifies to linear: Denominator \( x \)
Solving a rational equation that simplifies to linear: Denominator \( x+a \)
Solving a rational equation that simplifies to linear: Denominators \( a, x, \) or \( ax \)
Solving a rational equation that simplifies to linear: Denominators \( ax \) and \( bx \)
Solving a rational equation that simplifies to linear: Like binomial denominators
Solving a rational equation that simplifies to linear: Unlike binomial denominators
Solving a rational equation that simplifies to linear: Factorable quadratic denominator
Solving a rational equation that simplifies to quadratic: Proportional form, basic
Solving a rational equation that simplifies to quadratic: Denominator \( x \)
Solving a rational equation that simplifies to quadratic: Binomial denominators, constant numerators
Solving a rational equation that simplifies to quadratic: Binomial denominators and numerators
Solving a rational equation that simplifies to quadratic: Factorable quadratic denominator
Solving a rational equation that simplifies to quadratic: Proportional form, advanced
Solving for a variable in terms of other variables in a rational equation: Problem type 1
Solving for a variable in terms of other variables in a rational equation: Problem type 2
Solving for a variable in terms of other variables in a rational equation: Problem type 3
Word problem involving multiple rates
Solving a work problem using a rational equation
Solving a distance, rate, time problem using a rational equation
Ordering fractions with variables
Identifying direct variation equations
Identifying direct variation from ordered pairs and writing equations
Writing a direct variation equation
Word problem on direct variation
Interpreting direct variation from a graph
Writing an inverse variation equation
Identifying direct and inverse variation equations
Identifying direct and inverse variation from ordered pairs and writing equations
Word problem on inverse variation
Word problem on inverse proportions
Writing an equation that models variation
Word problem on combined variation

♦ Radicals and Quadratic Equations (118 topics)
♦ Finding all square roots of a number
♦ Square roots of perfect squares with signs
♦ Introduction to simplifying a radical expression with an even exponent
◊ Square root of a perfect square monomial
◊ Cube root of an integer
◊ Finding \( n \)th roots of perfect \( n \)th powers with signs
◊ Finding the \( n \)th root of a perfect \( n \)th power fraction
◊ Finding the \( n \)th root of a perfect \( n \)th power monomial
◊ Simplifying the square root of a whole number less than 100
◊ Simplifying the square root of a whole number greater than 100
◊ Simplifying a radical expression with an even exponent
◊ Introduction to simplifying a radical expression with an odd exponent
◊ Simplifying a radical expression with an odd exponent
◊ Simplifying a radical expression with two variables
◊ Simplifying a higher root of a whole number
◊ Introduction to simplifying a higher radical expression
◊ Simplifying a higher radical expression: Univariate
◊ Simplifying a higher radical expression: Multivariate
◊ Introduction to square root addition or subtraction
◊ Square root addition or subtraction
◊ Square root addition or subtraction with three terms
◊ Introduction to simplifying a sum or difference of radical expressions: Univariate
◊ Simplifying a sum or difference of radical expressions: Univariate
◊ Simplifying a sum or difference of radical expressions: Multivariate
◊ Simplifying a sum or difference of higher roots
◊ Simplifying a sum or difference of higher radical expressions
◊ Introduction to square root multiplication
◊ Square root multiplication: Basic
◊ Square root multiplication: Advanced
◊ Introduction to simplifying a product of radical expressions: Univariate
◊ Simplifying a product of radical expressions: Univariate
◊ Simplifying a product of radical expressions: Multivariate
◊ Introduction to simplifying a product of higher roots
◊ Simplifying a product of higher radical expressions
◊ Introduction to simplifying a product involving square roots using the distributive property
◊ Simplifying a product involving square roots using the distributive property: Basic
◊ Simplifying a product involving square roots using the distributive property: Advanced
◊ Special products of radical expressions: Conjugates and squaring
◊ Classifying sums and products as rational or irrational
◊ Simplifying a quotient of square roots
◊ Simplifying a quotient involving a sum or difference with a square root
◊ Rationalizing a denominator: Quotient involving square roots
◊ Rationalizing a denominator: Square root of a fraction
◊ Rationalizing a denominator: Quotient involving a monomial
◊ Rationalizing a denominator using conjugates: Integer numerator
◊ Rationalizing a denominator using conjugates: Square root in numerator
◊ Rationalizing a denominator using conjugates: Variable in denominator
◊ Rationalizing a denominator: Quotient involving a higher radical
◊ Introduction to solving a radical equation
◊ Solving a radical equation that simplifies to a linear equation: One radical, basic
◊ Solving a radical equation that simplifies to a linear equation: One radical, advanced
◊ Solving a radical equation that simplifies to a linear equation: Two radicals
◊ Solving a radical equation with two radicals that simplifies to \( \sqrt{x} = a \)
◊ Solving a radical equation that simplifies to a quadratic equation: One radical, basic
◊ Solving a radical equation that simplifies to a quadratic equation: One radical, advanced
◊ Solving a radical equation with a quadratic expression under the radical

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<td>Rewriting a quadratic function to find the vertex of its graph</td>
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<tr>
<td>Finding the maximum or minimum of a quadratic function</td>
</tr>
<tr>
<td>Word problem involving the maximum or minimum of a quadratic function</td>
</tr>
<tr>
<td>Domain and range from the graph of a parabola</td>
</tr>
<tr>
<td>Range of a quadratic function</td>
</tr>
<tr>
<td>Solving a quadratic equation by graphing</td>
</tr>
<tr>
<td>Comparing properties of quadratic functions given in different forms</td>
</tr>
</tbody>
</table>
◊ Classifying the graph of a function
◊ How the leading coefficient affects the shape of a parabola
◊ Identifying linear, quadratic, and exponential functions given ordered pairs
◊ Graphing a cubic function of the form \( y = ax^3 \)
◊ Sum, difference, and product of two functions
◊ Composition of two functions: Basic
◊ Expressing a function as a composition of two functions
◊ Determining whether an equation defines a function: Basic
◊ Determining whether an equation defines a function: Advanced

*Other Topics Available*  By default, these topics are NOT included in the course, but can be added using the content editor in the Teacher Module.