Prep for Calculus

This course covers the topics outlined below. You can customize the scope and sequence of this course to meet your curricular needs.

Curriculum (281 topics + 125 additional topics)

- Real Numbers (27 topics)
  - Fractions (5 topics)
    - Simplifying a fraction
    - Using a common denominator to order fractions
    - Addition or subtraction of fractions with different denominators
    - Fraction multiplication
    - Fraction division
  - Percents and Proportions (7 topics)
    - Converting between percentages and decimals
    - Applying the percent equation
    - Finding the sale price without a calculator given the original price and percent discount
    - Finding the original price given the sale price and percent discount
    - Solving a proportion of the form x/a = b/c
    - Word problem on proportions: Problem type 1
    - Word problem on proportions: Problem type 2
- Signed Numbers (15 topics)
  - Integer addition: Problem type 2
  - Integer subtraction: Problem type 3
  - Signed fraction addition or subtraction: Basic
  - Signed fraction addition or subtraction: Advanced
  - Signed decimal addition and subtraction with 3 numbers
  - Integer multiplication and division
  - Signed fraction multiplication: Basic
  - Signed fraction multiplication: Advanced
  - Exponents and integers: Problem type 1
  - Exponents and signed fractions
  - Order of operations with integers and exponents
  - Evaluating a linear expression: Integer multiplication with addition or subtraction
  - Evaluating a quadratic expression: Integers
  - Absolute value of a number
  - Operations with absolute value: Problem type 2
- Equations and Inequalities (24 topics)
  - Linear Equations (15 topics)
    - Additive property of equality with integers
    - Multiplicative property of equality with signed fractions
    - Solving a two-step equation with integers
    - Solving a two-step equation with signed fractions
    - Solving a linear equation with several occurrences of the variable: Variables on the same side and distribution
    - Solving a linear equation with several occurrences of the variable: Variables on both sides and
fractional coefficients
◊ Solving a linear equation with several occurrences of the variable: Variables on both sides and distribution
◊ Solving a linear equation with several occurrences of the variable: Variables on both sides and two distributions
◊ Solving a linear equation with several occurrences of the variable: Fractional forms with binomial numerators
◊ Solving equations with zero, one, or infinitely many solutions
◊ Algebraic symbol manipulation: Problem type 1
◊ Algebraic symbol manipulation: Problem type 2
◊ Solving a word problem with two unknowns using a linear equation
◊ Solving a decimal word problem using a linear equation of the form $Ax + B = C$
◊ Solving a value mixture problem using a linear equation

♦ Linear Inequalities (6 topics)
◊ Solving a linear inequality: Problem type 2
◊ Solving a linear inequality: Problem type 3
◊ Solving a linear inequality: Problem type 4
◊ Graphing a compound inequality on the number line
◊ Solving a compound linear inequality: Graph solution, basic
◊ Solving a compound linear inequality: Interval notation

♦ Absolute Value Equations and Inequalities (3 topics)
◊ Solving an absolute value equation of the form $a|x| = b$ or $|x|+a = b$
◊ Solving an absolute value equation of the form $|ax+b| = c$
◊ Solving an absolute value inequality: Basic

• Exponents and Polynomials (43 topics)

♦ Properties of Exponents (13 topics)
◊ Evaluating an expression with a negative exponent: Positive fraction base
◊ Evaluating an expression with a negative exponent: Negative integer base
◊ Introduction to the product rule of exponents
◊ Product rule with positive exponents: Multivariate
◊ Product rule with negative exponents
◊ Quotient of expressions involving exponents
◊ Quotient rule with negative exponents: Problem type 1
◊ Introduction to the power rules of exponents
◊ Power rules with positive exponents
◊ Power of a power rule with negative exponents
◊ Power rules with negative exponents
◊ Power and product rules with positive exponents
◊ Power, product, and quotient rules with negative exponents

♦ Scientific Notation (2 topics)
◊ Scientific notation with positive exponent
◊ Scientific notation with negative exponent

♦ Polynomial Expressions (9 topics)
◊ Degree and leading coefficient of a univariate polynomial
◊ Combining like terms: Advanced
◊ Simplifying a sum or difference of two univariate polynomials
◊ Multiplying a univariate polynomial by a monomial with a positive coefficient
◊ Multiplying a multivariate polynomial by a monomial
◊ Multiplying binomials with leading coefficients of 1
◊ Multiplying conjugate binomials: Univariate
◊ Squaring a binomial: Univariate
◊ Multiplication involving binomials and trinomials in two variables

♦ Factoring (9 topics)
- Introduction to the GCF of two 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 a quadratic with leading coefficient 1
- Factoring a quadratic with leading coefficient greater than 1
- Factoring a product of a quadratic trinomial and a monomial
- Factoring a difference of squares
- Factoring a polynomial by grouping: Problem type 1

**Quadratic Equations (10 topics)**
- Solving an equation written in factored form
- 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 quadratic equation using the square root property: Exact answers, basic
- Completing the square
- Applying the quadratic formula: Exact answers
- Solving a word problem using a quadratic equation with rational roots
- Solving a word problem using a quadratic equation with irrational roots
- Solving a quadratic inequality written in factored form

- Lines and Systems (30 topics)
  - Ordered Pairs (2 topics)
    - Plotting a point in the coordinate plane
    - Finding a solution to a linear equation in two variables
  - Graphing Lines (5 topics)
    - Graphing a line given its x- and y-intercepts
    - Graphing a line given its equation in slope-intercept form
    - Graphing a line given its equation in standard form
    - Graphing a line through a given point with a given slope
    - Graphing a vertical or horizontal line
  - Equations of Lines (13 topics)
    - Finding the y-intercept of a line given its equation
    - Finding x- and y-intercepts of a line given the equation: Advanced
    - Finding slope given the graph of a line on a grid
    - Finding slope given two points on the line
    - Finding the slope of a line given its equation
    - Writing an equation of a line given the y-intercept and another point
    - Writing the equation of a line given the slope and a point on the line
    - Writing the equation of the line through two given points
    - Finding slopes of lines parallel and perpendicular to a line given in the form Ax + By = C
    - Writing equations of lines parallel and perpendicular to a given line through a point
    - Writing an equation and drawing its graph to model a real-world situation: Advanced
    - 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
  - Graphing Linear Inequalities (2 topics)
    - Graphing a linear inequality in the plane: Standard form
    - Graphing a linear inequality in the plane: Vertical or horizontal line
  - Systems of Linear Equations (8 topics)
    - Graphically solving a system of linear equations
    - Solving a system of linear equations using substitution
    - Solving a system of linear equations using elimination with multiplication and addition
    - Solving a word problem involving a sum and another basic relationship using a system of linear equations
• Functions and Graphs (34 topics)
  ◆ Sets, Relations, and Functions (10 topics)
   ◊ Union and intersection of finite sets
   ◊ Set–builder and interval notation
   ◊ Union and intersection of intervals
   ◊ Identifying functions from relations
   ◊ Vertical line test
   ◊ Evaluating functions: Linear and quadratic or cubic
   ◊ Evaluating functions: Absolute value, rational, radical
   ◊ Evaluating a piecewise–defined function
   ◊ Variable expressions as inputs of functions: Problem type 1
   ◊ Domain and range from ordered pairs
  ◆ Graphs and Transformations (16 topics)
   ◊ Finding intercepts of a nonlinear function given its graph
   ◊ Finding local maxima and minima of a function given the graph
   ◊ Domain and range from the graph of a continuous function
   ◊ Writing an equation for a function after a vertical translation
   ◊ Writing an equation for a function after a vertical and horizontal translation
   ◊ Translating the graph of a function: One step
   ◊ Translating the graph of a function: Two steps
   ◊ Transforming the graph of a function by reflecting over an axis
   ◊ Transforming the graph of a function by shrinking or stretching
   ◊ Finding the x−intercept(s) and the vertex of a parabola
   ◊ Graphing a parabola of the form \( y = ax^2 \)
   ◊ Graphing a parabola of the form \( y = (x−h)^2 + k \)
   ◊ Graphing a parabola of the form \( y = ax^2 + bx + c \): Integer coefficients
   ◊ Rewriting a quadratic function to find the vertex of its graph
   ◊ Graphing a cubic function of the form \( y = ax^3 \)
   ◊ Graphing an absolute value equation in the plane: Advanced
  ◆ Polynomial Functions (2 topics)
   ◊ Finding zeros of a polynomial function written in factored form
   ◊ Finding x− and y−intercepts given a polynomial function
  ◆ Combining Functions; Composite Functions; Inverse Functions (6 topics)
   ◊ Sum, difference, and product of two functions
   ◊ Quotient of two functions: Basic
   ◊ Composition of two functions: Basic
   ◊ Composition of two functions: Advanced
   ◊ Inverse functions: Linear, discrete
   ◊ Inverse functions: Rational
• Rational Expressions (30 topics)
  ◆ Rational Expressions (20 topics)
   ◊ Domain of a rational function: Excluded values
   ◊ Simplifying a ratio of polynomials: Problem type 1
   ◊ Simplifying a ratio of polynomials: Problem type 2
   ◊ Simplifying a ratio of multivariate polynomials
   ◊ Multiplying rational expressions involving multivariate monomials
   ◊ Multiplying rational expressions involving quadratics with leading coefficients of 1
   ◊ Dividing rational expressions involving multivariate monomials
   ◊ Introduction to the LCM of two monomials
◊ Least common multiple of two monomials
◊ Adding rational expressions with common denominators and binomial numerators
◊ Adding rational expressions with different denominators: ax, bx
◊ Adding rational expressions with multivariate monomial denominators: Advanced
◊ Adding rational expressions with different denominators: x+a, x+b
◊ Complex fraction without variables: Problem type 1
◊ Complex fraction without variables: Problem type 2
◊ Complex fraction involving multivariate monomials
◊ Complex fraction: GCF and quadratic factoring
◊ Dividing a polynomial by a monomial: Univariate
◊ Polynomial long division: Problem type 1
◊ Polynomial long division: Problem type 2

♦ Rational Equations (6 topics)
◊ 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: Unlike binomial denominators
◊ Solving a rational equation that simplifies to linear: Denominators a, x, or ax
◊ Solving a rational equation that simplifies to quadratic: Binomial denominators, constant numerators
◊ Solving a rational equation that simplifies to quadratic: Binomial denominators and numerators

♦ Applications of Rational Expressions (2 topics)
◊ Word problem on direct variation
◊ Word problem on inverse variation

♦ Rational Functions (2 topics)
◊ Sketching the graph of a rational function: Constant over linear
◊ Sketching the graph of a rational function: Linear over linear

♦ Radical Expressions (26 topics)
   ♦ Radical Functions (2 topics)
   ◊ Domain of a square root function: Advanced
   ◊ Graphing a square root function
   ♦ Radical Expressions (15 topics)
   ◊ Square root of a rational perfect square
   ◊ Cube root of an integer
   ◊ Simplifying the square root of a whole number less than 100
   ◊ Square root of a perfect square monomial
   ◊ Simplifying a radical expression with an even exponent
   ◊ Simplifying a radical expression with two variables
   ◊ Simplifying a higher root of a whole number
   ◊ Simplifying a higher radical expression: Multivariate
   ◊ Square root addition or subtraction
   ◊ Simplifying a sum or difference of radical expressions: Multivariate
   ◊ Square root multiplication: Advanced
   ◊ Simplifying a product of radical expressions: Multivariate
   ◊ Simplifying a product involving square roots using the distributive property: Advanced
   ◊ Rationalizing the denominator of a radical expression
   ◊ Rationalizing the denominator of a radical expression using conjugates

♦ Higher Roots and Rational Exponents (5 topics)
◊ Converting between radical form and exponent form
◊ Rational exponents: Non–unit fraction exponent with a whole number base
◊ Rational exponents: Negative exponents and fractional bases
◊ Rational exponents: Products and quotients with negative exponents
◊ Rational exponents: Powers of powers with negative exponents

♦ Radical Equations (4 topics)
◊ Solving a radical equation that simplifies to a linear equation: One radical, basic
Solving a radical equation that simplifies to a linear equation: Two radicals
Solving a radical equation that simplifies to a quadratic equation: One radical
Solving an equation using the odd–root property: Problem type 1

- Exponentials and Logarithms (20 topics)
  - Properties of Logarithms (7 topics)
    - Converting between logarithmic and exponential equations
    - Converting between natural logarithmic and exponential equations
    - Evaluating a logarithmic expression
    - Basic properties of logarithms
    - Expanding a logarithmic expression: Problem type 1
    - Writing an expression as a single logarithm
    - Change of base for logarithms: Problem type 1
  - Logarithmic and Exponential Equations (6 topics)
    - Solving an equation of the form \( \log_b a = c \)
    - Solving a multi–step equation involving a single logarithm
    - Solving a multi–step equation involving natural logarithms
    - Solving an equation involving logarithms on both sides: Problem type 2
    - Solving an exponential equation by using logarithms: Exact answers in logarithmic form
    - Solving exponential equations by using logarithms and natural logarithms: Decimal answers
  - Applications with Exponential Equations (3 topics)
    - 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 time to reach a limit in a word problem on exponential growth or decay
  - Exponential and Logarithmic Functions (4 topics)
    - Graphing an exponential function and its asymptote: \( f(x) = a(b)^x \)
    - The graph, domain, and range of an exponential function
    - The graph, domain, and range of a logarithmic function
    - Translating the graph of a logarithmic or exponential function

- Geometry (20 topics)
  - Perimeter, Area, and Volume (16 topics)
    - Perimeter of a square or a rectangle
    - Area of a square or a rectangle
    - Area of a piecewise rectangular figure
    - Finding the side length of a rectangle given its perimeter or area
    - Finding the perimeter or area of a rectangle given one of these values
    - Area of a parallelogram
    - Area of a triangle
    - Circumference and area of a circle
    - Perimeter involving rectangles and circles
    - Area involving inscribed figures
    - Volume of a rectangular prism
    - Volume of a cylinder
    - Surface area of a cube or a rectangular prism
    - Surface area of a cylinder: Exact answers in terms of pi
    - Similar polygons
    - Indirect measurement
  - Coordinate Geometry (4 topics)
    - Pythagorean Theorem
    - Distance between two points in the plane: Exact answers
    - Graphing a circle given its equation in standard form
    - Graphing a circle given its equation in general form

- Trigonometry (27 topics)
  - Angles on the Unit Circle (5 topics)
<table>
<thead>
<tr>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>♦ Converting between degree and radian measure: Problem type 1</td>
</tr>
<tr>
<td>♦ Sketching an angle in standard position</td>
</tr>
<tr>
<td>♦ Reference angles: Problem type 1</td>
</tr>
<tr>
<td>♦ Coterminal angles</td>
</tr>
<tr>
<td>♦ Arc length and central angle measure</td>
</tr>
<tr>
<td>♦ Right Triangle Trigonometry (7 topics)</td>
</tr>
<tr>
<td>♦ Sine, cosine, and tangent ratios: Variables for side lengths</td>
</tr>
<tr>
<td>♦ Using a trigonometric ratio to find a side length in a right triangle</td>
</tr>
<tr>
<td>♦ Using a trigonometric ratio to find an angle measure in a right triangle</td>
</tr>
<tr>
<td>♦ Finding trigonometric ratios given a right triangle</td>
</tr>
<tr>
<td>♦ Solving a right triangle</td>
</tr>
<tr>
<td>♦ Solving a triangle with the law of sines: Problem type 1</td>
</tr>
<tr>
<td>♦ Solving a triangle with the law of cosines</td>
</tr>
<tr>
<td>♦ Unit Circle Trigonometry (7 topics)</td>
</tr>
<tr>
<td>♦ Finding coordinates on the unit circle for special angles</td>
</tr>
<tr>
<td>♦ Trigonometric functions and special angles: Problem type 1</td>
</tr>
<tr>
<td>♦ Trigonometric functions and special angles: Problem type 2</td>
</tr>
<tr>
<td>♦ Trigonometric functions and special angles: Problem type 3</td>
</tr>
<tr>
<td>♦ Finding values of trigonometric functions given information about an angle: Problem type 1</td>
</tr>
<tr>
<td>♦ Finding values of trigonometric functions given information about an angle: Problem type 2</td>
</tr>
<tr>
<td>♦ Finding values of trigonometric functions given information about an angle: Problem type 3</td>
</tr>
<tr>
<td>♦ Graphing Trigonometric Functions (2 topics)</td>
</tr>
<tr>
<td>♦ Sketching the graph of ( y = a \sin(x+c) ) or ( y = a \cos(x+c) )</td>
</tr>
<tr>
<td>♦ Sketching the graph of ( y = a \sin(bx) ) or ( y = a \cos(bx) )</td>
</tr>
<tr>
<td>♦ Inverse Trigonometric Functions (1 topics)</td>
</tr>
<tr>
<td>♦ Values of inverse trigonometric functions</td>
</tr>
<tr>
<td>♦ Trigonometric Identities (1 topics)</td>
</tr>
<tr>
<td>♦ Simplifying trigonometric expressions</td>
</tr>
<tr>
<td>♦ Trigonometric Equations (4 topics)</td>
</tr>
<tr>
<td>♦ Finding solutions in an interval for a basic equation involving sine or cosine</td>
</tr>
<tr>
<td>♦ Finding solutions in an interval for a basic tangent, cotangent, secant, or cosecant equation</td>
</tr>
<tr>
<td>♦ Finding solutions in an interval for a trigonometric equation using Pythagorean identities: Problem type 1</td>
</tr>
<tr>
<td>♦ Solving a basic trigonometric equation involving sine or cosine</td>
</tr>
</tbody>
</table>

- **Other Topics Available(*) (125 additional topics)**
  - ♦ Real Numbers (8 topics)
    - ♦ Fractional part of a circle
    - ♦ Finding the percentage increase or decrease: Advanced
    - ♦ Word problem on unit rates associated with ratios of whole numbers: Decimal answers
    - ♦ Exponents and integers: Problem type 2
    - ♦ Identifying numbers as integers or non−integers
    - ♦ Identifying numbers as rational or irrational
    - ♦ Properties of addition
    - ♦ Properties of real numbers
  - ♦ Equations and Inequalities (7 topics)
    - ♦ Solving an equation to find the value of an expression
    - ♦ Solving a decimal word problem using a linear equation with the variable on both sides
    - ♦ Solving a fraction word problem using a linear equation with the variable on both sides
    - ♦ Writing a multi−step inequality for a real−world situation
    - ♦ Solving a decimal word problem using a two−step linear inequality
    - ♦ Solving a decimal word problem using a linear inequality with the variable on both sides
◊ Solving an absolute value equation of the form $|ax+b| = |cx+d|

♦ Exponents and Polynomials (14 topics)
◊ Evaluating expressions with exponents of zero
◊ Ordering numbers with positive exponents
◊ Ordering numbers with negative exponents
◊ Multiplying and dividing numbers written in scientific notation
◊ Degree of a multivariate polynomial
◊ Simplifying a sum or difference of three univariate polynomials
◊ Factoring with repeated use of the difference of squares formula
◊ Factoring a sum or difference of two cubes
◊ Solving an equation that can be written in quadratic form: Problem type 1
◊ Solving a quadratic equation using the square root property: Exact answers, advanced
◊ Solving a quadratic equation by completing the square: Exact answers
◊ Discriminant of a quadratic equation
◊ Writing a quadratic equation given the roots and the leading coefficient
◊ Solving a quadratic inequality

♦ Lines and Systems (7 topics)
◊ Determining whether given points lie on one, both, or neither of 2 lines given equations
◊ Writing the equations of vertical and horizontal lines through a given point
◊ Solving a 3x3 system of linear equations: Problem type 1
◊ Solving a 2x2 system of linear equations that is inconsistent or consistent dependent
◊ 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
◊ Graphing a system of two linear inequalities: Basic

♦ Functions and Graphs (12 topics)
◊ Set−builder notation
◊ Finding inputs and outputs of a function from its graph
◊ Finding where a function is increasing, decreasing, or constant given the graph: Interval notation
◊ Domain and range from the graph of a piecewise function
◊ Graphing a parabola of the form $y = ax^2 + bx + c$: Rational coefficients
◊ Range of a quadratic function
◊ Classifying the graph of a function
◊ Graphing a piecewise−defined function: Problem type 1
◊ Determining the end behavior of the graph of a polynomial function
◊ Inferring properties of a polynomial function from its graph
◊ Horizontal line test
◊ Determining whether two functions are inverses of each other

♦ Rational Expressions (13 topics)
◊ Ordering fractions with variables
◊ Dividing rational expressions involving quadratics with leading coefficients of 1
◊ Complex fraction made of sums involving rational expressions
◊ Solving a rational equation that simplifies to quadratic: Proportional form, advanced
◊ Partial fraction decomposition with distinct linear factors
◊ Partial fraction decomposition with repeated linear factors
◊ Partial fraction decomposition with an irreducible quadratic factor
◊ Writing an equation that models variation
◊ Word problem on combined variation
◊ Word problem on inverse proportions
◊ Word problem involving multiple rates
◊ Sketching the graph of a rational function: Quadratic over linear
◊ Graphing rational functions with holes

♦ Radical Expressions (9 topics)
◊ Special products of radical expressions: Conjugates and squaring
◊ Rationalizing a denominator: Quotient involving higher radicals and monomials
◊ Using \(i\) to rewrite square roots of negative numbers
◊ Simplifying a product and quotient involving square roots of negative numbers
◊ Adding or subtracting complex numbers
◊ Multiplying complex numbers
◊ Dividing complex numbers
◊ Simplifying a power of \(i\)
◊ Solving a quadratic equation with complex roots
♦ Exponentials and Logarithms (7 topics)
◊ Change of base for logarithms: Problem type 2
◊ Solving an equation involving logarithms on both sides: Problem type 1
◊ Solving an exponential equation by finding common bases: Linear and quadratic exponents
◊ Finding the initial or final amount in a word problem on exponential growth or decay
◊ Finding the rate or time in a word problem on continuous exponential growth or decay
◊ Graphing an exponential function and its asymptote: \(f(x) = a(e)^{x-b} + c\)
◊ Graphing a logarithmic function: Advanced
♦ Geometry (13 topics)
◊ Areas of rectangles with the same perimeter
◊ Finding a side length given the perimeter and side lengths with variables
◊ Finding the radius or the diameter of a circle given its circumference
◊ Circumference ratios
◊ Area involving rectangles and circles
◊ Word problem involving the area between two concentric circles
◊ Volume of a cone: Exact answers in terms of pi
◊ Volume of a sphere
◊ Word problem involving the rate of filling or emptying a cylinder
◊ Ratio of volumes
◊ Midpoint of a line segment in the plane
◊ Writing an equation of a circle given its center and a point on the circle
◊ Writing an equation of a circle given the endpoints of a diameter
♦ Trigonometry (20 topics)
◊ Area of a sector of a circle
◊ Using trigonometry to find a length in a word problem with one right triangle
◊ Using trigonometry to find angles of elevation or depression in a word problem
◊ Amplitude and period of sine and cosine functions
◊ Amplitude, period, and phase shift of sine and cosine functions
◊ Composition of a trigonometric function with its inverse trigonometric function: Problem type 1
◊ Composition of a trigonometric function with the inverse of another trigonometric function: Problem type 2
◊ Composition of a trigonometric function with the inverse of another trigonometric function: Problem type 3
◊ Using cofunction identities
◊ Sum and difference identities: Problem type 1
◊ Sum and difference identities: Problem type 2
◊ Double–angle identities: Problem type 1
◊ Double–angle identities: Problem type 2
◊ Product–to–sum and sum–to–product identities: Problem type 1
◊ Solving a basic trigonometric equation involving tangent, cotangent, secant, or cosecant
◊ Plotting a point in polar coordinates
◊ Converting rectangular coordinates to polar coordinates: Special angles
◊ Converting polar coordinates to rectangular coordinates
◊ Converting an equation written in rectangular form to one written in polar form
◊ Converting an equation written in polar form to one written in rectangular coordinates
Limits and Continuity (15 topics)
◊ Estimating a limit numerically
◊ Finding limits from a graph
◊ Finding limits for a piecewise-defined function
◊ Finding a limit by using the limit laws: Problem type 1
◊ Finding a limit by using the limit laws: Problem type 2
◊ Finding a limit by using the limit laws: Problem type 3
◊ Squeeze Theorem
◊ Determining points of discontinuity from a graph
◊ Determining a parameter to make a function continuous
◊ Limits at infinity and graphs
◊ Limits at infinity and rational functions
◊ Infinite limits and graphs
◊ Infinite limits and rational functions
◊ Finding a limit of a trigonometric function by using continuity
◊ Finding a limit by using special trigonometric limits

*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.