Elementary Algebra and Functions

The Distributive Property
Operations with Integers
Operations with Fractions
Translating Words to Algebra to Solve Word Problems
Solving Equations Using the Distributive Property
Combining Like Terms
Solving Equations by Combining Like Terms
Rules of the Order of Operations
Exponents and Parenthesis in Operations
The Order of Operations
Evaluating Expressions Using Substitution
Linear Equations as Tables, Graphs, and Words
Equations with One Variable
Graphing Inequalities
Inequalities with One Variable
Calculating Slope from a Graph
Slope Intercept Form
Finding the Slope of a Linear Function
Substituting Zero to Find the Intercept
Finding the Slope of a Linear Function from a Graph
Finding the X & Y Intercepts on a Graph
Linear Translation Rules
Linear Translation Tables
Shifting a Function on a Coordinate Plane
Solving Linear Systems by Substitution
Solving Linear Systems by Graphing
Solving a System of Linear Equations Using Substitution in Word Problems
Solving Linear Systems by Elimination
Solving a System of Linear Equations by Elimination in Word Problems
Identifying the X & Y Intercepts

Intermediate Algebra and Functions

Data, Statistics and Probability

Probability of a Simple Event
Probability of Independent Events
Using Experimental Probability to Make a Prediction
Using Theoretical Probability to Make a Prediction
Interpreting a Frequency Distribution Table
Interpreting a Circle Graph
Making Predictions from a Given Frequency Distribution
Making Predictions from a Circle Graph
Fundamental Counting Principal
Calculating the Number of Outcomes
Mean
Median
Mode
Range
Effect of Extreme Values in Mean, Median, and Mode
Calculating and Choosing the Best Measure of Central Tendency
Matching Data with the Appropriate Graph
Making Predictions from a Bar Graph
Mean
Median
Mode
Range
Effect of Extreme Values in Mean, Median, and Mode

Calculating and Choosing the Best Measure of Central Tendency

Geometry and Measurement

Finding Angles in a Triangle Using Algebra
Finding the Distance between Two Points Using Coordinate Geometry
Finding New Vertices of a Translated Shape
Writing Proportions
Solving Proportions
Finding Missing Lengths in a Scale Drawing
Similar Figures
Finding Missing Measurements of Similar Figures Using Proportions
The Pythagorean Theorem
Finding Missing Sides Using the Pythagorean Theorem
Solving a Problem with a Visual Using the Pythagorean Theorem
Using the Pythagorean Theorem on a Coordinate Plane
Writing an Equation to Solve a Geometry Problem
Finding Side Lengths of Parallelograms Using Algebra
Finding the Distance between Two Points
Writing a Rule for a Linear Equation
Creating a Table of Values for a Linear Function
Solving Problems Involving Slope Using Coordinate Geometry
Parallelograms, Rectangles, Triangles, and Squares
Finding Equations of Lines Using Coordinate Geometry
Dilations
Finding Missing Measurements of Dilated Figures
Translations, Rotations, and Reflections
Rotating Geometric Shapes
Converting Measurements within the Customary System
Converting Measurements within the Metric System
Similar Figures
Finding Missing Measurements of Similar Figures Using Proportions
The Pythagorean Theorem
Finding Missing Sides Using the Pythagorean Theorem
Solving a Problem with a Visual Using the Pythagorean Theorem
Using the Pythagorean Theorem on a Coordinate Plane
Writing an Equation to Solve a Geometry Problem
Finding Side Lengths of Parallelograms Using Algebra