



# ACT Mathematics Learning Path v2.0 Coverage Map

77038000

8/17/2009



## Introduction

PLATO® content has been matched to the scope of knowledge covered in the ACT Mathematics Learning Path v2.0. In addition, content experts have organized PLATO content in an instructionally sound way that enhances instructional effectiveness. This document identifies PLATO instructional activities that are aligned to the ACT Mathematics Learning Path v2.0.

The following PLATO courseware was used to create the ACT Mathematics Learning Path v2.0:

- Algebra 1, Part 1
- Algebra 1, Part 2
- Algebra 2, Part 1
- Algebra 2, Part 2
- Foundational Mathematics
- Geometry 2
- Trigonometry



## ACT Mathematics Learning Path v2.0

### Pre-Algebra

#### Writing a Quotient as a Mixed Number

Writing a Quotient as a Mixed Number: Tutorial

Writing a Quotient as a Mixed Number: Practice

Writing a Quotient as a Mixed Number: Mastery Test

Writing a Quotient as a Mixed Number: Off-Line Activity

#### Identifying Multiples

Identifying Multiples: Tutorial

Identifying Multiples: Practice

Identifying Multiples: Mastery Test

Identifying Multiples: Off-Line Activity

#### Finding Common Multiples and the Least Common Multiple

Finding Common Multiples and the Least Common Multiple: Tutorial

Finding Common Multiples and the Least Common Multiple: Practice

Finding Common Multiples and the Least Common Multiple: Mastery Test

Finding Common Multiples and the Least Common Multiple: Off-Line Activity

#### Solving Multiplication Story Problems

Solving Multiplication Story Problems: Tutorial

Solving Multiplication Story Problems: Practice

Solving Multiplication Story Problems: Mastery Test

Solving Multiplication Story Problems: Off-Line Activity

#### Solving Division Story Problems

Solving Division Story Problems: Tutorial

Solving Division Story Problems: Practice

Solving Division Story Problems: Mastery Test

Solving Division Story Problems: Off-Line Activity



## Simplifying Fractions

Simplifying Fractions: Tutorial

Simplifying Fractions: Practice

Simplifying Fractions: Mastery Test

Simplifying Fractions: Off-Line Activity

## Working with Common Denominators and the Least Common Denominator

Working with Common Denominators and the Least Common Denominator: Tutorial

Working with Common Denominators and the Least Common Denominator: Practice

Working with Common Denominators and the Least Common Denominator: Mastery Test

Working with Common Denominators and the Least Common Denominator: Off-Line Activity

## Ordering Fractions

Ordering Fractions: Tutorial

Ordering Fractions: Practice

Ordering Fractions: Mastery Test

Ordering Fractions: Off-Line Activity

## Multiplying Common Fractions (Alg1.1)

Multiplying Common Fractions (Alg1.1): Tutorial

Multiplying Common Fractions (Alg1.1): Application

Multiplying Common Fractions (Alg1.1): Mastery Test

Multiplying Common Fractions (Alg1.1): Offline Activity

## Adding and Subtracting Fractions (Alg1.1)

Adding and Subtracting Fractions (Alg1.1): Tutorial

Adding and Subtracting Fractions (Alg1.1): Application

Adding and Subtracting Fractions (Alg1.1): Mastery Test

Adding and Subtracting Fractions (Alg1.1): Offline Activity

## Adding and Subtracting Mixed Numbers (Alg1.1)

Adding and Subtracting Mixed Numbers (Alg1.1): Tutorial



Adding and Subtracting Mixed Numbers (Alg1.1): Application

Adding and Subtracting Mixed Numbers (Alg1.1): Mastery Test

Adding and Subtracting Mixed Numbers (Alg1.1): Offline Activity

Dividing Fractions (Alg1.1)

Dividing Fractions (Alg1.1): Tutorial

Dividing Fractions (Alg1.1): Application

Dividing Fractions (Alg1.1): Mastery Test

Dividing Fractions (Alg1.1): Offline Activity

Multiplying and Dividing Mixed Numbers (Alg1.1)

Multiplying and Dividing Mixed Numbers (Alg1.1): Tutorial

Multiplying and Dividing Mixed Numbers (Alg1.1): Application

Multiplying and Dividing Mixed Numbers (Alg1.1): Mastery Test

Multiplying and Dividing Mixed Numbers (Alg1.1): Offline Activity

Solving Fraction Story Problems

Solving Fraction Story Problems: Tutorial

Solving Fraction Story Problems: Practice

Solving Fraction Story Problems: Mastery Test

Solving Fraction Story Problems: Off-Line Activity

Relating Decimals, Fractions, and Mixed Numbers

Relating Decimals, Fractions, and Mixed Numbers: Tutorial

Relating Decimals, Fractions, and Mixed Numbers: Practice

Relating Decimals, Fractions, and Mixed Numbers: Mastery Test

Relating Decimals, Fractions, and Mixed Numbers: Off-Line Activity

Multiplying Decimals

Multiplying Decimals: Tutorial

Multiplying Decimals: Practice

Multiplying Decimals: Mastery Test



Multiplying Decimals: Off-Line Activity

Dividing Decimals

Dividing Decimals: Tutorial

Dividing Decimals: Practice

Dividing Decimals: Mastery Test

Dividing Decimals: Off-Line Activity

Renaming a Fraction as a Decimal

Renaming a Fraction as a Decimal: Tutorial

Renaming a Fraction as a Decimal: Practice

Renaming a Fraction as a Decimal: Mastery Test

Renaming a Fraction as a Decimal: Off-Line Activity

Solving Decimal Story Problems

Solving Decimal Story Problems: Tutorial

Solving Decimal Story Problems: Practice

Solving Decimal Story Problems: Mastery Test

Solving Decimal Story Problems: Off-Line Activity

Finding a Percent of a Whole Number

Finding a Percent of a Whole Number: Tutorial

Finding a Percent of a Whole Number: Practice

Finding a Percent of a Whole Number: Mastery Test

Finding a Percent of a Whole Number: Off-Line Activity

Finding a Percent of a Decimal Number

Finding a Percent of a Decimal Number: Tutorial

Finding a Percent of a Decimal Number: Practice

Finding a Percent of a Decimal Number: Mastery Test

Finding a Percent of a Decimal Number: Off-Line Activity

Understanding Ratio



Understanding Ratio: Tutorial

Understanding Ratio: Practice

Understanding Ratio: Mastery Test

Understanding Ratio: Off-Line Activity

Solving Ratio, Proportion, and Percent Story Problems

Solving Ratio, Proportion, and Percent Story Problems: Tutorial

Solving Ratio, Proportion, and Percent Story Problems: Practice

Solving Ratio, Proportion, and Percent Story Problems: Mastery Test

Solving Ratio, Proportion, and Percent Story Problems: Off-Line Activity

Converting a Decimal to a Fraction of a Percent (Alg1.1)

Converting a Decimal to a Fraction of a Percent (Alg1.1): Tutorial

Converting a Decimal to a Fraction of a Percent (Alg1.1): Application

Converting a Decimal to a Fraction of a Percent (Alg1.1): Mastery Test

Converting a Decimal to a Fraction of a Percent (Alg1.1): Offline Activity

Finding the Amount with Percents Less than 1% (Alg1.1)

Finding the Amount with Percents Less than 1% (Alg1.1): Tutorial

Finding the Amount with Percents Less than 1% (Alg1.1): Application

Finding the Amount with Percents Less than 1% (Alg1.1): Mastery Test

Finding the Amount with Percents Less than 1% (Alg1.1): Offline Activity

Visualizing Percents Greater than 100% (Alg1.1)

Visualizing Percents Greater than 100% (Alg1.1): Tutorial

Visualizing Percents Greater than 100% (Alg1.1): Application

Visualizing Percents Greater than 100% (Alg1.1): Mastery Test

Visualizing Percents Greater than 100% (Alg1.1): Offline Activity

Converting Percents Greater than 100% to Decimals (Alg1.1)

Converting Percents Greater than 100% to Decimals (Alg1.1): Tutorial

Converting Percents Greater than 100% to Decimals (Alg1.1): Application



Converting Percents Greater than 100% to Decimals (Alg1.1): Mastery Test

Converting Percents Greater than 100% to Decimals (Alg1.1): Offline Activity

Scaling and Proportion, Part 1 (Alg1.1)

Scaling and Proportion, Part 1 (Alg1.1): Tutorial

Scaling and Proportion, Part 1 (Alg1.1): Application

Scaling and Proportion, Part 1 (Alg1.1): Mastery Test

Scaling and Proportion, Part 1 (Alg1.1): Offline Activity

Scaling and Proportion, Part 2 (Alg1.1)

Scaling and Proportion, Part 2 (Alg1.1): Tutorial

Scaling and Proportion, Part 2 (Alg1.1): Application

Scaling and Proportion, Part 2 (Alg1.1): Mastery Test

Scaling and Proportion, Part 2 (Alg1.1): Offline Activity

Mean, Median, and Mode (Alg1.1)

Mean, Median, and Mode (Alg1.1): Tutorial

Mean, Median, and Mode (Alg1.1): Application

Mean, Median, and Mode (Alg1.1): Mastery Test

Mean, Median, and Mode (Alg1.1): Offline Activity

Solving Problems with Mean, Median, and Mode (Alg1.1)

Solving Problems with Mean, Median, and Mode (Alg1.1): Tutorial

Solving Problems with Mean, Median, and Mode (Alg1.1): Application

Solving Problems with Mean, Median, and Mode (Alg1.1): Mastery Test

Solving Problems with Mean, Median, and Mode (Alg1.1): Offline Activity

Chance Experiments and Probability (Alg2.1)

Chance Experiments and Probability (Alg2.1): Tutorial

Chance Experiments and Probability (Alg2.1): Application

Chance Experiments and Probability (Alg2.1): Mastery Test

Chance Experiments and Probability (Alg2.1): Offline Activity



Determining the Probability of an Event (Alg2.1)

Determining the Probability of an Event (Alg2.1): Tutorial

Determining the Probability of an Event (Alg2.1): Application

Determining the Probability of an Event (Alg2.1): Mastery Test

Determining the Probability of an Event (Alg2.1): Offline Activity

Review: Probability (Alg2.1)

Review: Probability (Alg2.1): Tutorial

Review: Probability (Alg2.1): Application

Review: Probability (Alg2.1): Mastery Test

Review: Probability (Alg2.1): Offline Activity

Solving Problems with Probability (Alg1.1)

Solving Problems with Probability (Alg1.1): Tutorial

Solving Problems with Probability (Alg1.1): Application

Solving Problems with Probability (Alg1.1): Mastery Test

Solving Problems with Probability (Alg1.1): Offline Activity

Exponents: Exponential Form (Alg1.1)

Exponents: Exponential Form (Alg1.1): Tutorial

Exponents: Exponential Form (Alg1.1): Application

Exponents: Exponential Form (Alg1.1): Mastery Test

Exponents: Exponential Form (Alg1.1): Offline Activity

Exponents: Expanded Form (Alg1.1)

Exponents: Expanded Form (Alg1.1): Tutorial

Exponents: Expanded Form (Alg1.1): Application

Exponents: Expanded Form (Alg1.1): Mastery Test

Exponents: Expanded Form (Alg1.1): Offline Activity

Exponents: Product Rule (Alg1.1)

Exponents: Product Rule (Alg1.1): Tutorial



Exponents: Product Rule (Alg1.1): Application

Exponents: Product Rule (Alg1.1): Mastery Test

Exponents: Product Rule (Alg1.1): Offline Activity

Exponents: Power Rule (Alg1.1)

Exponents: Power Rule (Alg1.1): Tutorial

Exponents: Power Rule (Alg1.1): Application

Exponents: Power Rule (Alg1.1): Mastery Test

Exponents: Power Rule (Alg1.1): Offline Activity

Square Roots of Perfect Squares (Alg1.1)

Square Roots of Perfect Squares (Alg1.1): Tutorial

Square Roots of Perfect Squares (Alg1.1): Application

Square Roots of Perfect Squares (Alg1.1): Mastery Test

Square Roots of Perfect Squares (Alg1.1): Offline Activity

Square Roots of Imperfect Squares (Alg1.1)

Square Roots of Imperfect Squares (Alg1.1): Tutorial

Square Roots of Imperfect Squares (Alg1.1): Application

Square Roots of Imperfect Squares (Alg1.1): Mastery Test

Square Roots of Imperfect Squares (Alg1.1): Offline Activity

Algebra

Order of Operations (Alg1.1)

Order of Operations (Alg1.1): Tutorial

Order of Operations (Alg1.1): Application

Order of Operations (Alg1.1): Mastery Test

Order of Operations (Alg1.1): Offline Activity

Expressions in 1 Variable (Alg1.1)

Expressions in 1 Variable (Alg1.1): Tutorial

Expressions in 1 Variable (Alg1.1): Application



Expressions in 1 Variable (Alg1.1): Mastery Test

Expressions in 1 Variable (Alg1.1): Offline Activity

Expressions in 2 or More Variables (Alg1.1)

Expressions in 2 or More Variables (Alg1.1): Tutorial

Expressions in 2 or More Variables (Alg1.1): Application

Expressions in 2 or More Variables (Alg1.1): Mastery Test

Expressions in 2 or More Variables (Alg1.1): Offline Activity

Determining the Truth Value of a Statement (Alg1.1)

Determining the Truth Value of a Statement (Alg1.1): Tutorial

Determining the Truth Value of a Statement (Alg1.1): Application

Determining the Truth Value of a Statement (Alg1.1): Mastery Test

Determining the Truth Value of a Statement (Alg1.1): Offline Activity

Adding Monomials (Alg1.1)

Adding Monomials (Alg1.1): Tutorial

Adding Monomials (Alg1.1): Application

Adding Monomials (Alg1.1): Mastery Test

Adding Monomials (Alg1.1): Offline Activity

Subtracting Monomials (Alg1.1)

Subtracting Monomials (Alg1.1): Tutorial

Subtracting Monomials (Alg1.1): Application

Subtracting Monomials (Alg1.1): Mastery Test

Subtracting Monomials (Alg1.1): Offline Activity

Multiplying Monomials (Alg1.1)

Multiplying Monomials (Alg1.1): Tutorial

Multiplying Monomials (Alg1.1): Application

Multiplying Monomials (Alg1.1): Mastery Test

Multiplying Monomials (Alg1.1): Offline Activity



#### Dividing Monomials (Alg1.1)

Dividing Monomials (Alg1.1): Tutorial

Dividing Monomials (Alg1.1): Application

Dividing Monomials (Alg1.1): Mastery Test

Dividing Monomials (Alg1.1): Offline Activity

#### Adding Binomials and Monomials (Alg1.1)

Adding Binomials and Monomials (Alg1.1): Tutorial

Adding Binomials and Monomials (Alg1.1): Application

Adding Binomials and Monomials (Alg1.1): Mastery Test

Adding Binomials and Monomials (Alg1.1): Offline Activity

#### Subtracting Binomials and Monomials (Alg1.1)

Subtracting Binomials and Monomials (Alg1.1): Tutorial

Subtracting Binomials and Monomials (Alg1.1): Application

Subtracting Binomials and Monomials (Alg1.1): Mastery Test

Subtracting Binomials and Monomials (Alg1.1): Offline Activity

#### Multiplying Binomials and Monomials (Alg1.1)

Multiplying Binomials and Monomials (Alg1.1): Tutorial

Multiplying Binomials and Monomials (Alg1.1): Application

Multiplying Binomials and Monomials (Alg1.1): Mastery Test

Multiplying Binomials and Monomials (Alg1.1): Offline Activity

#### Dividing Binomials by Monomials (Alg1.1)

Dividing Binomials by Monomials (Alg1.1): Tutorial

Dividing Binomials by Monomials (Alg1.1): Application

Dividing Binomials by Monomials (Alg1.1): Mastery Test

Dividing Binomials by Monomials (Alg1.1): Offline Activity

#### Linear Equations in 1 Variable: Solving by Inspection (Alg1.1)

Linear Equations in 1 Variable: Solving by Inspection (Alg1.1): Tutorial



Linear Equations in 1 Variable: Solving by Inspection (Alg1.1): Application

Linear Equations in 1 Variable: Solving by Inspection (Alg1.1): Mastery Test

Linear Equations in 1 Variable: Solving by Inspection (Alg1.1): Offline Act.

Linear Equations in 1 Variable: Isolating the Variable (Alg1.1)

Linear Equations in 1 Variable: Isolating the Variable (Alg1.1): Tutorial

Linear Equations in 1 Variable: Isolating the Variable (Alg1.1): Application

Linear Equations in 1 Variable: Isolating the Variable (Alg1.1): Mastery Test

Linear Equations in 1 Variable: Isolating the Variable (Alg1.1): Offline Act.

Linear Inequalities in 1 Variable, Part 1 (Alg1.1)

Linear Inequalities in 1 Variable, Part 1 (Alg1.1): Tutorial

Linear Inequalities in 1 Variable, Part 1 (Alg1.1): Application

Linear Inequalities in 1 Variable, Part 1 (Alg1.1): Mastery Test

Linear Inequalities in 1 Variable, Part 1 (Alg1.1): Offline Activity

Linear Inequalities in 1 Variable, Part 2 (Alg1.1)

Linear Inequalities in 1 Variable, Part 2 (Alg1.1): Tutorial

Linear Inequalities in 1 Variable, Part 2 (Alg1.1): Application

Linear Inequalities in 1 Variable, Part 2 (Alg1.1): Mastery Test

Linear Inequalities in 1 Variable, Part 2 (Alg1.1): Offline Activity

Special Quadratic Equations, Part 1 (Alg1.1)

Special Quadratic Equations, Part 1 (Alg1.1): Tutorial

Special Quadratic Equations, Part 1 (Alg1.1): Application

Special Quadratic Equations, Part 1 (Alg1.1): Mastery Test

Special Quadratic Equations, Part 1 (Alg1.1): Offline Activity

Special Quadratic Equations, Part 2 (Alg1.1)

Special Quadratic Equations, Part 2 (Alg1.1): Tutorial

Special Quadratic Equations, Part 2 (Alg1.1): Application

Special Quadratic Equations, Part 2 (Alg1.1): Mastery Test

Special Quadratic Equations, Part 2 (Alg1.1): Offline Activity

Using Linear Equations to Solve Problems (Alg1.1)

Using Linear Equations to Solve Problems (Alg1.1): Tutorial

Using Linear Equations to Solve Problems (Alg1.1): Application

Using Linear Equations to Solve Problems (Alg1.1): Mastery Test

Using Linear Equations to Solve Problems (Alg1.1): Offline Activity

Using Quadratic Equations to Solve Problems (Alg1.1)

Using Quadratic Equations to Solve Problems (Alg1.1): Tutorial

Using Quadratic Equations to Solve Problems (Alg1.1): Application

Using Quadratic Equations to Solve Problems (Alg1.1): Mastery Test

Using Quadratic Equations to Solve Problems (Alg1.1): Offline Activity

Review: Polynomials and Factoring (Alg1.2)

Review: Polynomials and Factoring (Alg1.2): Tutorial

Review: Polynomials and Factoring (Alg1.2): Application

Review: Polynomials and Factoring (Alg1.2): Mastery Test

Review: Polynomials and Factoring (Alg1.2): Offline Activity

Equations with Absolute Values (Alg1.2)

Equations with Absolute Values (Alg1.2): Tutorial

Equations with Absolute Values (Alg1.2): Application

Equations with Absolute Values (Alg1.2): Mastery Test

Equations with Absolute Values (Alg1.2): Offline Activity

Solving Simple Quadratic Equations (Alg1.2)

Solving Simple Quadratic Equations (Alg1.2): Tutorial

Solving Simple Quadratic Equations (Alg1.2): Application

Solving Simple Quadratic Equations (Alg1.2): Mastery Test

Solving Simple Quadratic Equations (Alg1.2): Offline Activity

Solving Quadratic Equations by Factoring, Part 3 (Alg1.2)

Solving Quadratic Equations by Factoring, Part 3 (Alg1.2): Tutorial

Solving Quadratic Equations by Factoring, Part 3 (Alg1.2): Application

Solving Quadratic Equations by Factoring, Part 3 (Alg1.2): Mastery Test

Solving Quadratic Equations by Factoring, Part 3 (Alg1.2): Offline Activity

Quadratic Formula (Alg1.2)

Quadratic Formula (Alg1.2): Tutorial

Quadratic Formula (Alg1.2): Application

Quadratic Formula (Alg1.2): Mastery Test

Quadratic Formula (Alg1.2): Offline Activity

Solving Problems With Quadratic Equations (Alg1.2)

Solving Problems With Quadratic Equations (Alg1.2): Tutorial

Solving Problems With Quadratic Equations (Alg1.2): Application

Solving Problems With Quadratic Equations (Alg1.2): Mastery Test

Solving Problems With Quadratic Equations (Alg1.2): Offline Activity

Review: Equations and Inequalities (Alg1.2)

Review: Equations and Inequalities (Alg1.2): Tutorial

Review: Equations and Inequalities (Alg1.2): Application

Review: Equations and Inequalities (Alg1.2): Mastery Test

Review: Equations and Inequalities (Alg1.2): Offline Activity

Simplifying Algebraic Expressions (Alg2.2)

Simplifying Algebraic Expressions (Alg2.2): Tutorial

Simplifying Algebraic Expressions (Alg2.2): Application

Simplifying Algebraic Expressions (Alg2.2): Mastery Test

Simplifying Algebraic Expressions (Alg2.2): Offline Activity

Multiplying Algebraic Expressions (Alg2.2)

Multiplying Algebraic Expressions (Alg2.2): Tutorial

Multiplying Algebraic Expressions (Alg2.2): Application



Multiplying Algebraic Expressions (Alg2.2): Mastery Test

Multiplying Algebraic Expressions (Alg2.2): Offline Activity

Factoring Algebraic Expressions (Alg2.2)

Factoring Algebraic Expressions (Alg2.2): Tutorial

Factoring Algebraic Expressions (Alg2.2): Application

Factoring Algebraic Expressions (Alg2.2): Mastery Test

Factoring Algebraic Expressions (Alg2.2): Offline Activity

Rational Expressions: Simplify (Alg2.2)

Rational Expressions: Simplify (Alg2.2): Tutorial

Rational Expressions: Simplify (Alg2.2): Application

Rational Expressions: Simplify (Alg2.2): Mastery Test

Rational Expressions: Simplify (Alg2.2): Offline Activity

Rational Expressions: Add and Subtract (Alg2.2)

Rational Expressions: Add and Subtract (Alg2.2): Tutorial

Rational Expressions: Add and Subtract (Alg2.2): Application

Rational Expressions: Add and Subtract (Alg2.2): Mastery Test

Rational Expressions: Add and Subtract (Alg2.2): Offline Activity

Rational Expressions: Multiply and Divide (Alg2.2)

Rational Expressions: Multiply and Divide (Alg2.2): Tutorial

Rational Expressions: Multiply and Divide (Alg2.2): Application

Rational Expressions: Multiply and Divide (Alg2.2): Mastery Test

Rational Expressions: Multiply and Divide (Alg2.2): Offline Activity

Absolute Value, Inequalities, and Interval Notation (Alg2.2)

Absolute Value, Inequalities, and Interval Notation (Alg2.2): Tutorial

Absolute Value, Inequalities, and Interval Notation (Alg2.2): Application

Absolute Value, Inequalities, and Interval Notation (Alg2.2): Mastery Test

Absolute Value, Inequalities, and Interval Notation (Alg2.2): Offline Act.



### Defining a Function with Its Rule (Alg2.2)

Defining a Function with Its Rule (Alg2.2): Tutorial

Defining a Function with Its Rule (Alg2.2): Application

Defining a Function with Its Rule (Alg2.2): Mastery Test

Defining a Function with Its Rule (Alg2.2): Offline Activity

### Equations and Graphs of Functions, Part 1 (Alg2.2)

Equations and Graphs of Functions, Part 1 (Alg2.2): Tutorial

Equations and Graphs of Functions, Part 1 (Alg2.2): Application

Equations and Graphs of Functions, Part 1 (Alg2.2): Mastery Test

Equations and Graphs of Functions, Part 1 (Alg2.2): Offline Activity

### Translations and Transformations (Alg2.2)

Translations and Transformations (Alg2.2): Tutorial

Translations and Transformations (Alg2.2): Application

Translations and Transformations (Alg2.2): Mastery Test

Translations and Transformations (Alg2.2): Offline Activity

### Solving Problems with Linear Functions (Alg2.2)

Solving Problems with Linear Functions (Alg2.2): Tutorial

Solving Problems with Linear Functions (Alg2.2): Application

Solving Problems with Linear Functions (Alg2.2): Mastery Test

Solving Problems with Linear Functions (Alg2.2): Offline Activity

### Solving Problems with Quadratic Functions (Alg2.2)

Solving Problems with Quadratic Functions (Alg2.2): Tutorial

Solving Problems with Quadratic Functions (Alg2.2): Application

Solving Problems with Quadratic Functions (Alg2.2): Mastery Test

Solving Problems with Quadratic Functions (Alg2.2): Offline Activity

### Properties of Exponential Functions (Alg2.2)

Properties of Exponential Functions (Alg2.2): Tutorial



Properties of Exponential Functions (Alg2.2): Application

Properties of Exponential Functions (Alg2.2): Mastery Test

Properties of Exponential Functions (Alg2.2): Offline Activity

Properties of Logarithmic Functions (Alg2.2)

Properties of Logarithmic Functions (Alg2.2): Tutorial

Properties of Logarithmic Functions (Alg2.2): Application

Properties of Logarithmic Functions (Alg2.2): Mastery Test

Properties of Logarithmic Functions (Alg2.2): Offline Activity

Recognizing Graphs of Types of Functions (Alg2.2)

Recognizing Graphs of Types of Functions (Alg2.2): Tutorial

Recognizing Graphs of Types of Functions (Alg2.2): Application

Recognizing Graphs of Types of Functions (Alg2.2): Mastery Test

Recognizing Graphs of Types of Functions (Alg2.2): Offline Activity

Coordinate Geometry

The Coordinate Plane (Alg2.1)

The Coordinate Plane (Alg2.1): Tutorial

The Coordinate Plane (Alg2.1): Application

The Coordinate Plane (Alg2.1): Mastery Test

The Coordinate Plane (Alg2.1): Offline Activity

Graphing Ordered Pairs (Alg2.1)

Graphing Ordered Pairs (Alg2.1): Tutorial

Graphing Ordered Pairs (Alg2.1): Application

Graphing Ordered Pairs (Alg2.1): Mastery Test

Graphing Ordered Pairs (Alg2.1): Offline Activity

Solutions of Linear Equations as Ordered Pairs (Alg2.1)

Solutions of Linear Equations as Ordered Pairs (Alg2.1): Tutorial

Solutions of Linear Equations as Ordered Pairs (Alg2.1): Application

Solutions of Linear Equations as Ordered Pairs (Alg2.1): Mastery Test

Solutions of Linear Equations as Ordered Pairs (Alg2.1): Offline Activity

Graphing a Linear Inequality in 2 Variables (Alg2.1)

Graphing a Linear Inequality in 2 Variables (Alg2.1): Tutorial

Graphing a Linear Inequality in 2 Variables (Alg2.1): Application

Graphing a Linear Inequality in 2 Variables (Alg2.1): Mastery Test

Graphing a Linear Inequality in 2 Variables (Alg2.1): Offline Activity

Slope of a Line from 2 Points (Alg2.1)

Slope of a Line from 2 Points (Alg2.1): Tutorial

Slope of a Line from 2 Points (Alg2.1): Application

Slope of a Line from 2 Points (Alg2.1): Mastery Test

Slope of a Line from 2 Points (Alg2.1): Offline Activity

Using the Slope and y-Intercept to Graph a Line (Alg2.1)

Using the Slope and y-Intercept to Graph a Line (Alg2.1): Tutorial

Using the Slope and y-Intercept to Graph a Line (Alg2.1): Application

Using the Slope and y-Intercept to Graph a Line (Alg2.1): Mastery Test

Using the Slope and y-Intercept to Graph a Line (Alg2.1): Offline Activity

Finding the Slope and y-Intercept from an Equation (Alg2.1)

Finding the Slope and y-Intercept from an Equation (Alg2.1): Tutorial

Finding the Slope and y-Intercept from an Equation (Alg2.1): Application

Finding the Slope and y-Intercept from an Equation (Alg2.1): Mastery Test

Finding the Slope and y-Intercept from an Equation (Alg2.1): Offline Activity

Writing Equations in Slope-Intercept Form (Alg2.1)

Writing Equations in Slope-Intercept Form (Alg2.1): Tutorial

Writing Equations in Slope-Intercept Form (Alg2.1): Application

Writing Equations in Slope-Intercept Form (Alg2.1): Mastery Test

Writing Equations in Slope-Intercept Form (Alg2.1): Offline Activity

Identifying Graphs from Their Equations (Alg2.1)

Identifying Graphs from Their Equations (Alg2.1): Tutorial

Identifying Graphs from Their Equations (Alg2.1): Application

Identifying Graphs from Their Equations (Alg2.1): Mastery Test

Identifying Graphs from Their Equations (Alg2.1): Offline Activity

Equations of Parallel or Perpendicular Lines (Alg2.1)

Equations of Parallel or Perpendicular Lines (Alg2.1): Tutorial

Equations of Parallel or Perpendicular Lines (Alg2.1): Application

Equations of Parallel or Perpendicular Lines (Alg2.1): Mastery Test

Equations of Parallel or Perpendicular Lines (Alg2.1): Offline Activity

Calculating the Slope of a Line (Alg2.2)

Calculating the Slope of a Line (Alg2.2): Tutorial

Calculating the Slope of a Line (Alg2.2): Application

Calculating the Slope of a Line (Alg2.2): Mastery Test

Calculating the Slope of a Line (Alg2.2): Offline Activity

Point-Slope and Slope-Intercept Forms of Equations (Alg2.2)

Point-Slope and Slope-Intercept Forms of Equations (Alg2.2): Tutorial

Point-Slope and Slope-Intercept Forms of Equations (Alg2.2): Application

Point-Slope and Slope-Intercept Forms of Equations (Alg2.2): Mastery Test

Point-Slope and Slope-Intercept Forms of Equations (Alg2.2): Offline Activity

Perpendicular Bisector of a Line Segment (Alg2.2)

Perpendicular Bisector of a Line Segment (Alg2.2): Tutorial

Perpendicular Bisector of a Line Segment (Alg2.2): Application

Perpendicular Bisector of a Line Segment (Alg2.2): Mastery Test

Perpendicular Bisector of a Line Segment (Alg2.2): Offline Activity

Distance between a Point and a Line (Alg2.2)

Distance between a Point and a Line (Alg2.2): Tutorial



Distance between a Point and a Line (Alg2.2): Application

Distance between a Point and a Line (Alg2.2): Mastery Test

Distance between a Point and a Line (Alg2.2): Offline Activity

## Plane Geometry

### Postulates and Theorems

Postulates and Theorems: Tutorial

Postulates and Theorems: Application

Postulates and Theorems: Mastery Test

### Congruent Angles

Congruent Angles: Tutorial

Congruent Angles: Application

Congruent Angles: Mastery Test

### Supplementary and Complementary Angles

Supplementary and Complementary Angles: Tutorial

Supplementary and Complementary Angles: Application

Supplementary and Complementary Angles: Mastery Test

### Congruent Triangles, Part 2

Congruent Triangles, Part 2: Tutorial

Congruent Triangles, Part 2: Application

Congruent Triangles, Part 2: Mastery Test

### Congruent Triangle Problems

Congruent Triangle Problems: Tutorial

Congruent Triangle Problems: Application

Congruent Triangle Problems: Mastery Test

### Angles in Pairs

Angles in Pairs: Tutorial

Angles in Pairs: Application



Angles in Pairs: Mastery Test

Transitive Properties of Lines

Transitive Properties of Lines: Tutorial

Transitive Properties of Lines: Application

Transitive Properties of Lines: Mastery Test

The Sum of the Angles in a Triangle

The Sum of the Angles in a Triangle: Tutorial

The Sum of the Angles in a Triangle: Application

The Sum of the Angles in a Triangle: Mastery Test

The Pythagorean Theorem 2

The Pythagorean Theorem 2: Tutorial

The Pythagorean Theorem 2: Application

The Pythagorean Theorem 2: Mastery Tests

The Pythagorean Theorem 2: Mastery Test 1

The Pythagorean Theorem 2: Mastery Test 2

Solving Right Triangle Problems

Solving Right Triangle Problems: Tutorial

Solving Right Triangle Problems: Application

Solving Right Triangle Problems: Mastery Test

30- to 60-Degree Right Triangles

30- to 60-Degree Right Triangles: Tutorial

30- to 60-Degree Right Triangles: Application

30- to 60-Degree Right Triangles: Mastery Test

Proportionality

Proportionality: Tutorial

Proportionality: Application

Proportionality: Mastery Test

## Introduction to Polygons

Introduction to Polygons: Tutorial

Introduction to Polygons: Application

Introduction to Polygons: Mastery Test

## Summing Up Angles

Summing Up Angles: Tutorial

Summing Up Angles: Application

Summing Up Angles: Mastery Test

## Angles in Regular Polygons

Angles in Regular Polygons: Tutorial

Angles in Regular Polygons: Application

Angles in Regular Polygons: Mastery Test

## Parallelograms, Part 2

Parallelograms, Part 2: Tutorial

Parallelograms, Part 2: Application

Parallelograms, Part 2: Mastery Test

## Rhombuses and Trapezoids

Rhombuses and Trapezoids: Tutorial

Rhombuses and Trapezoids: Application

Rhombuses and Trapezoids: Mastery Test

## Symmetry

Symmetry: Tutorial

Symmetry: Application

Symmetry: Mastery Test

## Translations

Translations: Tutorial

Translations: Application



Translations: Mastery Test

Rotations

Rotations: Tutorial

Rotations: Application

Rotations: Mastery Test

Area of Any Triangle

Area of Any Triangle: Tutorial

Area of Any Triangle: Application

Area of Any Triangle: Mastery Test

Area of Trapezoids and Rhombuses

Area of Trapezoids and Rhombuses: Tutorial

Area of Trapezoids and Rhombuses: Application

Area of Trapezoids and Rhombuses: Mastery Test

Theorems Related to Circles

Theorems Related to Circles: Tutorial

Theorems Related to Circles: Application

Theorems Related to Circles: Mastery Test

Tangents

Tangents: Tutorial

Tangents: Application

Tangents: Mastery Test

Arcs and Chords

Arcs and Chords: Tutorial

Arcs and Chords: Application

Arcs and Chords: Mastery Test

Circles and Angles

Circles and Angles: Tutorial



Circles and Angles: Application

Circles and Angles: Mastery Test

Circles and Segments

Circles and Segments: Tutorial

Circles and Segments: Application

Circles and Segments: Mastery Test

Measuring Circumference

Measuring Circumference: Tutorial

Measuring Circumference: Application

Measuring Circumference: Mastery Test

The Length of Arcs

The Length of Arcs: Tutorial

The Length of Arcs: Application

The Length of Arcs: Mastery Test

The Area of Circles

The Area of Circles: Tutorial

The Area of Circles: Application

The Area of Circles: Mastery Test

Prisms

Prisms: Tutorial

Prisms: Application

Prisms: Mastery Test

Area and Volume of Cylinders

Area and Volume of Cylinders: Tutorial

Area and Volume of Cylinders: Application

Area and Volume of Cylinders: Mastery Test

Area and Volume of Cones

Area and Volume of Cones: Tutorial

Area and Volume of Cones: Application

Area and Volume of Cones: Mastery Test

## Trigonometry

### Right Angle Trigonometry

Right Angle Trigonometry: Tutorial

Right Angle Trigonometry: Application 1

Right Angle Trigonometry: Application 2

Right Angle Trigonometry: Application 3

Right Angle Trigonometry: Mastery Tests

Right Angle Trigonometry: Mastery Test 1

Right Angle Trigonometry: Mastery Test 2

Right Angle Trigonometry: Mastery Test 3

### Radian Measure

Radian Measure: Tutorial

Radian Measure: Application 1

Radian Measure: Application 2

Radian Measure: Mastery Tests

Radian Measure: Mastery Test 1

Radian Measure: Mastery Test 2

### Circular Functions

Circular Functions: Tutorial

Circular Functions: Application 1

Circular Functions: Application 2

Circular Functions: Application 3

Circular Functions: Application 4

Circular Functions: Mastery Tests

Circular Functions: Mastery Test 1

Circular Functions: Mastery Test 2

Circular Functions: Mastery Test 3

Circular Functions: Mastery Test 4

#### Three More Trigonometric Functions

Three More Trigonometric Functions: Tutorial

Three More Trigonometric Functions: Application

Three More Trigonometric Functions: Mastery Test

#### Graphing Trigonometric Functions

Graphing Trigonometric Functions: Tutorial

Graphing Trigonometric Functions: Application 1

Graphing Trigonometric Functions: Application 2

Graphing Trigonometric Functions: Mastery Tests

Graphing Trigonometric Functions: Mastery Test 1

Graphing Trigonometric Functions: Mastery Test 2

#### Trigonometric Identities of a Single Variable

Trigonometric Identities of a Single Variable: Tutorial

Trigonometric Identities of a Single Variable: Application 1

Trigonometric Identities of a Single Variable: Application 2

Trigonometric Identities of a Single Variable: Application 3

Trigonometric Identities of a Single Variable: Mastery Tests

Trigonometric Identities of a Single Variable: Mastery Test 1

Trigonometric Identities of a Single Variable: Mastery Test 2

Trigonometric Identities of a Single Variable: Mastery Test 3

#### Trigonometric Identities II

Trigonometric Identities II: Tutorial

Trigonometric Identities II: Application 1

Trigonometric Identities II: Application 2

Trigonometric Identities II: Mastery Tests

Trigonometric Identities II: Mastery Test 1

Trigonometric Identities II: Mastery Test 2

Trigonometric Equations

Trigonometric Equations: Tutorial

Trigonometric Equations: Application 1

Trigonometric Equations: Application 2

Trigonometric Equations: Application 3

Trigonometric Equations: Application 4

Trigonometric Equations: Mastery Tests

Trigonometric Equations: Mastery Test 1

Trigonometric Equations: Mastery Test 2

Trigonometric Equations: Mastery Test 3

Trigonometric Equations: Mastery Test 4

Inverse Trigonometric Functions: Trigonometry

Inverse Trigonometric Functions: Tutorial

Inverse Trigonometric Functions: Application 1

Inverse Trigonometric Functions: Application 2

Inverse Trigonometric Functions: Application 3

Inverse Trigonometric Functions: Mastery Tests

Inverse Trigonometric Functions: Mastery Test 1

Inverse Trigonometric Functions: Mastery Test 2

Inverse Trigonometric Functions: Mastery Test 3

Laws of Sines and Cosines

Laws of Sines and Cosines: Tutorial

Laws of Sines and Cosines: Application 1



Laws of Sines and Cosines: Application 2

Laws of Sines and Cosines: Application 3

Laws of Sines and Cosines: Application 4

Laws of Sines and Cosines: Mastery Tests

Laws of Sines and Cosines: Mastery Test 1

Laws of Sines and Cosines: Mastery Test 2

Laws of Sines and Cosines: Mastery Test 3

Laws of Sines and Cosines: Mastery Test 4

Polar Coordinates

Polar Coordinates: Tutorial

Polar Coordinates: Application 1

Polar Coordinates: Application 2

Polar Coordinates: Application 3

Polar Coordinates: Application 4

Polar Coordinates: Mastery Tests

Polar Coordinates: Mastery Test 1

Polar Coordinates: Mastery Test 2

Polar Coordinates: Mastery Test 3

Polar Coordinates: Mastery Test 4