Algebra Honors Worksheet Answers

(These links are names of the lessons. The worksheet may have a different name.)

Modeling Polynomials: Algebra Tiles

Greatest Common Factor

Factoring Polynomials

Factoring Trinomials: $x^2 + bx + c$

Factoring Trinomials: $ax^2 + bx + c$

Factoring Expressions: $a^2 - b^2$

Factoring Expressions: $a^2 + 2ab + b^2$

Zero as a Factor

Solving Quadratic Equations - Factoring

Application: Frame Factor

Factoring Polynomials: Algebra Tiles

Organizing Data

Range, Mean, Median, and Mode

Box-and-Whiskers Plot

The Probability Fraction

Probability and Complementary Events

Tree Diagrams and Sample Spaces

Dependent and Independent Events

The Fundamental Principle of Counting

Application: Multistage Experiments

Fundamental Counting Principle: Calculator

Fractions as Rational Numbers

Algebraic Fractions - Rational Expressions

Intercepts of Lines

Slopes of Lines

Writing Linear Equations

Lines as Functions

Domain and Range of a Function

Graphing Inequalities: y < mx + b, y > mx + b

Graphing Inequalities: y <= mx + b, y >= mx + b

Graphs Without Numbers

Application: Graphing

Slope and Intercept: Grapher

Parallel Lines

Describing Parallel Lines

Rational Number Equivalents

Irrational Numbers as Decimals

Products and Quotients of Radicals

Sums and Differences of Radicals

Radicals and Fractions

Radicals in Equations

Radicals and Exponents

Drawing and Using a Square Root Graph

Application: Falling Objects

Powers and Roots: Calculator

Angle and Angle Measure

Pairs of Lines in Plane and in Space

Angle Measures in a Triangle

Naming Triangles

Quadrilaterals

Congruent and Similar Triangles

Trigonometric Ratios

Application: Using Geometric Shapes

Trigonometric Ratios: Calculator

Solutions by Factoring

Writing the Equations from Their Roots

Solving by Completing the Square

Solving Using the Quadratic Formula

Graphing Quadratic Equations

Application: Using Quadratic Equations

Modeling Quadratic Equations: Grapher