

Algebra 2

CURRICULUM SEQUENCE

HONORS TOPICS

HOW TO USE MATH-U-SEE

SUPPORT AND RESOURCES

LESSON 1 Exponents
LESSON 2 Rational Expressions
LESSON 3 Scientific Notation; Combining Like Terms
LESSON 4 Radicals, Basic Operations, and Simplifying
LESSON 5 Factoring Polynomials; Rational Expressions

LESSON 6 Fractional Exponents
LESSON 7 Imaginary and Complex Numbers
LESSON 8 Conjugate Numbers
LESSON 9 Squares, Cubes, and Pascal's Triangle
LESSON 10 Binomial Theorem

LESSON 11 Completing the Square
LESSON 12 Quadratic Formula
LESSON 13 Discriminants
LESSON 14 Applications Using Percent
LESSON 15 Isolating One Variable

LESSON 16 Ratios
LESSON 17 Unit Multipliers and Metric Conversions
LESSON 18 Distance = Rate x Time
LESSON 19 More Motion Problems
LESSON 20 Graphing Lines: Slope-Intercept Formula

LESSON 21 Parallel and Perpendicular Lines; Inequalities
LESSON 22 Distance Formula and Midpoint Formula
LESSON 23 Conic Sections: Circle and Ellipse
LESSON 24 Parabola
LESSON 25 Parabola: Maxima and Minima

LESSON 26 Hyperbola
LESSON 27 Solving Systems of Equations
LESSON 28 Coins, Consecutive Integers, and Mixtures
LESSON 29 Age and Boat in the Current Problems
LESSON 30 Solving Equations with Three Variables
LESSON 31 Vectors

STUDENT SOLUTIONS

HONORS SOLUTIONS

TEST SOLUTIONS

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