

More Algebra by Design Table of Contents

Note: The letters and numbers in parentheses following the activity name reference specific Common Core State Standards for Mathematics addressed by the activity

- 1 Absolute Values
 - 2 Absolute Values
 - 3 Equations: $ax = b$ (A-REI 3)
 - 4 Inequalities: $ax < b$ (A-REI 3)
 - 5 Equations: $ax + b = c$ (A-REI 3)
 - 6 Inequalities: $ax + b < c$ and $ax + b > c$ (A-REI 3)
 - 7 Equations: $ax + b = cx + d$ (A-REI 3)
 - 8 Inequalities: $ax + b > cx + d$ and $ax + b < cx + d$ (A-REI 3)
 - 9 Inequalities: Solutions by Multiple Choice (A-REI 3)
 - 10 Equations: Assorted with Parentheses (A-REI 3)
 - 11 Factoring: Binomials (A-REI 4)
 - 12 Factoring: Difference of Two Squares (A-REI 4)
 - 13 Factoring: Quadratic Trinomials (A-REI 4)
 - 14 Quadratic Equations: Sum of Roots (A-REI 4)
 - 15 Evaluating Polynomials in Factored Form (A-REI 4)
 - 16 Evaluating Polynomials (A-REI 4)
 - 17 Combining Like Terms (A-REI 4)
 - 18 Multiplying Monomials (A-APR 1)
 - 19 Dividing Monomials
 - 20 Simplifying Fractions with Monomial Terms
 - 21 Simplifying Radicals
 - 22 Adding or Subtracting Radicals
 - 23 Multiplying Radicals
 - 24 Multiplying and Simplifying Radicals
 - 25 Simplifying Rational Expressions
 - 26 Adding or Subtracting Fractions with Monomial Terms (A-APR 1)
 - 27 Multiplying and Simplifying Fractions with Monomial Terms (A-APR 1)
 - 28 Dividing and Simplifying Fractions with Monomial Terms
 - 29 Adding or Subtracting Rational Expressions with Like Denominators (A-APR 1)
 - 30 Algebraic Expressions from Words
 - 31 Word Problems (8.EE 8, A-REI 6)
 - 32 Inequalities from Word Sentences (7.EE 4)
 - 33 Coordinate Planes (6.NS 8)
 - 34 Slope/Intercept Form of a Line (8.F 3)
 - 35 Slope/Intercept Form and Linear Inequalities (A-REI 12)
 - 36 Slope/Intercept Form and Systems of Inequalities (A-REI 6, A-REI 12)
 - 37 Interpreting Linear Graphs (8.F 3)
 - 38 Interpreting Absolute Value Graphs
 - 39 Interpreting Absolute Value Graphs
 - 40 Interpreting Quadratic Graphs (A-REI 10)
 - 41 Interpreting Quadratic Graphs (A-REI 10)
 - 42 Solving Systems of Two Linear Equations (8.EE 8, A-REI 6)
 - 43 Finding the Next Term in a Sequence
 - 44 Finding the Next Term in a Sequence
- Solution Key