

## Algebra 1A Map

This is a one semester course which earns  $\frac{1}{2}$  credit of math. This class is the first half of the Algebra 1 sequence. Successful completion of this course allows students to take Algebra 1B.

1. Chapter 1 Equations
  - 1.1. Variables and Expressions
  - 1.2. Solving Equations by Adding or Subtracting
  - 1.3. Solving Equations by Multiplying or Dividing
  - 1.4. Solving Two-Step and Multi-Step Equations
  - 1.5. Solving Equations with Variables on Both Sides
  - 1.6. Solving for a Variable
  - 1.7. Solving Absolute-Value Equations
  - 1.8. Rates, Ratios, and Proportions
  - 1.9. Applications of Proportions
  - 1.10. Precision and Accuracy
  
2. Chapter 2 Inequalities
  - 2.1. Graphing and Writing Inequalities
  - 2.2. Solving Inequalities by Adding or Subtracting
  - 2.3. Solving Inequalities by Multiplying or Dividing
  - 2.4. Solving Two-Step and Multi-Step Inequalities
  - 2.5. Solving Inequalities with Variables on Both Sides
  - 2.6. Solving Compound Inequalities
  - 2.7. Solving Absolute-Value Inequalities
  
3. Chapter 3 Functions
  - 3.1. Graphing Relationships
  - 3.2. Relations and Functions
  - 3.3. Writing Functions
  - 3.4. Graphing Functions
  - 3.5. Scatter Plots and Trend Lines
  - 3.6. Arithmetic Sequences
  
4. Chapter 4 Linear Functions
  - 4.1. Identifying Linear Functions
  - 4.2. Using Intercepts
  - 4.3. Rate of Change and Slope
  - 4.4. The Slope Formula
  - 4.5. Direct Variation

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- 4.6. Slope-Intercept Form
  - 4.7. Point-Slope Form
  - 4.8. Line of Best Fit
  - 4.9. Slopes of Parallel and Perpendicular Lines
  - 4.10. Transforming Linear Functions
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- 5. Chapter 5 Systems of Equations and Inequalities
    - 5.1. Solving Systems by Graphing
    - 5.2. Solving Systems by Substitution
    - 5.3. Solving Systems by Elimination
    - 5.4. Solving Special Systems
    - 5.5. Solving Linear Inequalities
    - 5.6. Solving Systems of Linear Inequalities