



PAREF Southcrest

Math 7 Topic Outline

1st Quarter

The Real Number System

- I. Exponents, Order of Operations, and Inequality
- II. Variables, Expressions, and Equations
- III. Real Numbers and the Real Number Line
- IV. Operations with Integers
- V. Properties of Real Numbers
- VI. Simplifying Expressions

Linear Equations and Inequalities in One Variable

- I. The Addition Property of Equality
- II. The Multiplication Property of Equality
- III. More on Solving Linear Equations



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Math 7 Topic Outline

2nd Quarter

Linear Equations and Inequalities in One Variable

- IV. An Introduction to Applications of Linear Equations
- V. Formulas and Applications from Geometry
- VI. Literal Equations
- VII. Solving Linear Inequalities

Linear Equations in Two Variables

- I. Linear Equations in Two Variables; The Rectangular Coordinate System
- II. Graphing Linear Equations in Two Variables
- III. The Slope of a Line
- IV. Writing and Graphing Equations of Lines
- V. Introduction to Functions



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Math 7 Topic Outline

3rd Quarter

Systems of Linear Equations

- I. Solving Systems of Linear Equations by Graphing
- II. Solving Systems of Linear Equations by Substitution
- III. Solving System of Linear Equations by Elimination
- IV. Applications of Linear Systems

Exponents

- I. Laws of Exponents



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Math 7 Topic Outline

4th Quarter

Polynomials

- I. Adding and Subtracting Polynomials
- II. Multiplying Polynomials
- III. Special Products
- IV. Dividing Polynomials