CHAPTER 1

**Solving Equations**

**and**

**Inequalities**

**Solving Equations and Inequalities**

**1.1 The Distributive Property**

**Content Objective:**

Students will use the Distributive Property to simplify expressions

**1.2 Solving Multi-Step Equations**

**Content Objective:**

Students will solve multi-step equations in one variable

**1.3 Solving Equations with Variables on Both Sides**

**Content Objective:**

Students will solve equations with variables on both sides

**1.4 Literal Equations and Formulas**

**Content Objective:**

Students will rewrite and use literal equations and formulas

**1.5 Ratios, Rates, and Conversions**

**Content Objective:**

Students will find ratios and rates: To convert units and rates

**1.6 Solving Proportions**

**Content Objective:**

Students will solve and apply proportions

**1.7 Solving Multi-Step Inequalities**

**Content Objective:**

Students will solve multi-step inequalities

**1.8 Compound Inequalities**

**Content Objective:**

Students will solve and graph inequalities containing the word and & or

**1.9 Absolute Values Equations and Inequalities**

**Content Objective:**

Students will solve equations and inequalities involving absolute value

CHAPTER 2

**An Introduction to Functions**

**An Introduction to Functions**

**2.1 Using Graphs to Relate Two Quantities**

**Content Objective:**

Students will represent mathematical relationships using graphs

**2.2 Patterns and Linear Functions**

**Content Objective:**

Students will identify and represent patterns that describe linear functions

**2.3 Patterns and Nonlinear Functions**

**Content Objective:**

Students will identify and represent patterns that describe nonlinear functions

**2.4 Graphing a Function Rule**

**Content Objective:**

Students will graph equations that represent functions

**2.5 Writing a Functions Rule**

**Content Objective:**

Students will write equations that represent functions

**2.6 Formalizing Relations and Functions**

**Content Objective:**

Students will determine whether a relation is a function, find domain and ran

**2.7 Arithmetic Sequences**

**Content Objective:**

Students will identify and extend patterns in sequences

Students will represent arithmetic sequences using function notation