

# **Algebra 1 Pacing Guide**

## **Unit 1: Real Numbers and Operations**

### **Chapter A: Expressions, Equations and Functions**

- \_\_\_ A.1 Evaluate Expressions
- \_\_\_ A.2 Apply Order of Operations
- \_\_\_ A.3 Write Expressions

**Chapter A Expressions, Equations and Functions Quiz**      **Score**\_\_\_\_\_

- \_\_\_ A.4 Write Equations and Inequalities / A.5 Problem Solving Plan
- \_\_\_ A.6 Represent Functions as Tables / A.7 Represent Functions as Graphs

**Chapter A Expressions, Equations and Functions Test**      **Score**\_\_\_\_\_

### **Chapter B: Properties of Real Numbers**

- \_\_\_ B.1 Use Integers and Rational Numbers
- \_\_\_ B.2 Add Real Numbers / B.3 Subtract Real Numbers
- \_\_\_ B.4 Multiply Real Numbers

**Chapter B Properties of Real Numbers Quiz**      **Score**\_\_\_\_\_

- \_\_\_ B.5 Apply the Distributive Property
- \_\_\_ B.6 Divide Real Numbers
- \_\_\_ B.7 Find Square Roots and Compare Real Numbers

**Chapter B Properties of Real Numbers Test**      **Score**\_\_\_\_\_

**Unit 1: Real Numbers and Operations Test**      **Score**\_\_\_\_\_

**Unit 1: Math Journal Entries**      **Score/Average**\_\_\_\_\_

## **Unit 2: Solving Linear Equations and Inequalities**

### **Chapter 1: Solving Linear Equations**

- \_\_\_ 1.1 Solving Simple Equations
- \_\_\_ 1.2 Solving Multi-Step Equations
- \_\_\_ 1.3 Solving Equations with Variables on Both Sides

**Chapter 1 Solving Linear Equations Quiz**      **Score**\_\_\_\_\_

- \_\_\_ 1.4\_Day 1 Solving Absolute Value Equations
- \_\_\_ 1.4\_Day 2 Solving Absolute Value Equations
- \_\_\_ 1.5 Rewriting Equations and Formulas

**Chapter 1 Solving Linear Equations Test**      **Score**\_\_\_\_\_

**\*\*\*End of First Quarter**

# **Algebra 1 Pacing Guide**

## **Chapter 2: Solving Linear Inequalities**

- \_\_\_ 2.1 Writing and Graphing Linear Inequalities
- \_\_\_ 2.2 Solving Inequalities Using Addition and Subtraction
- \_\_\_ 2.3 Solving Inequalities Using Multiplication and Division

**Chapter 2 Solving Linear Inequalities Quiz**

**Score** \_\_\_\_\_

- \_\_\_ 2.4 Solving Multi-Step Inequalities
- \_\_\_ 2.5 Solving Compound Inequalities
- \_\_\_ 2.6 Solving Absolute Value Inequalities

**Chapter 2 Solving Linear Inequalities Test**

**Score** \_\_\_\_\_

## **Chapter 3A: Linear Functions**

- \_\_\_ 3.1\_Day 1 Functions
- \_\_\_ 3.1\_Day 2 Functions
- \_\_\_ 3.2\_Day 1 Linear Functions
- \_\_\_ 3.2\_Day 2 Linear Functions
- \_\_\_ 3.3 Function Notation

**Chapter 3A Linear Functions Test**

**Score** \_\_\_\_\_

**Unit 2: Solving Linear Equations and Inequalities Test**

**Score** \_\_\_\_\_

**Unit 2: Math Journal Entries**

**Score/Average** \_\_\_\_\_

## **Unit 3: Graphing and Writing Linear Functions**

### **Chapter 3B: Graphing Linear Functions**

- \_\_\_ 3.4 Graphing Linear Equations in Standard Form
- \_\_\_ 3.5\_Day 1 Graphing Linear Equations in Slope-Intercept Form
- \_\_\_ 3.5\_Day 2 Graphing Linear Equations in Slope-Intercept Form

**Chapter 3 B Graphing Linear Functions Quiz**

**Score** \_\_\_\_\_

- \_\_\_ 3.6\_Day 1 Transformations of Graphs of Linear Functions
- \_\_\_ 3.6\_Day 2 Transformations of Graphs of Linear Functions
- \_\_\_ 3.7\_Day 1 Graphing Absolute Value Functions
- \_\_\_ 3.7\_Day 2 Graphing Absolute Value Functions

**Chapter 3B Graphing Linear Functions Test**

**Score** \_\_\_\_\_

**\*\*\*End of Second Quarter / First Semester**

# **Algebra 1 Pacing Guide**

## **Chapter 4: Writing Linear Functions**

\_\_\_ 4.1 Writing Equations in Slope-Intercept Form

\_\_\_ 4.2 Writing Equations in Point-Slope Form

\_\_\_ 4.3 Writing Equations of Parallel and Perpendicular Lines

**Chapter 4 Writing Linear Functions Quiz**

**Score** \_\_\_\_\_

\_\_\_ 4.7\_Day 1 Piecewise Functions

\_\_\_ 4.7\_Day 2 Piecewise Functions

**Chapter 4 Writing Linear Functions Test**

**Score** \_\_\_\_\_

**Unit 3: Solving Linear Equations and Inequalities Test**

**Score** \_\_\_\_\_

**Unit 3: Math Journal Entries**

**Score/Average** \_\_\_\_\_

## **Unit 4: Solving Systems of Linear Equations and Inequalities**

### **Chapter 5: Solving Systems of Linear Equations**

\_\_\_ 5.1 Solving Systems of Linear Equations by Graphing

\_\_\_ 5.2 Solving Systems of Linear Equations by Substitution

\_\_\_ 5.3 Solving Systems of Linear Equations by Elimination

\_\_\_ 5.4 Solving Special Systems of Linear Equations

**Chapter 5 Solving Systems of Linear Equations Quiz**

**Score** \_\_\_\_\_

\_\_\_ 5.6 Graphing Linear Inequalities in Two Variables

\_\_\_ 5.7 Systems of Linear Inequalities

**Chapter 5 Solving Systems of Linear Equations Test**

**Score** \_\_\_\_\_

**Unit 4: Math Journal Entries**

**Score/Average** \_\_\_\_\_

**\*\*\*End of Third Quarter**

# **Algebra 1 Pacing Guide**

## **Unit 5: Radical, Rational, and Polynomial Functions**

### **Chapter 6: Exponential Functions and Equations**

- \_\_\_ 6.1 Properties of Exponents
- \_\_\_ 6.2 Radicals and Rational Exponents
- \_\_\_ 6.3 Exponential Functions
- \_\_\_ 6.5 Solving Exponential Equations

**Chapter 6 Exponential Functions and Equations Test**      **Score**\_\_\_\_\_

### **Chapter 7: Polynomial Equations and Factoring**

- \_\_\_ 7.1 Adding and Subtracting Polynomials
- \_\_\_ 7.2 Multiplying Polynomials
- \_\_\_ 7.3 Special Products of Polynomials

**Chapter 7 Polynomial Equations and Factoring Quiz**      **Score**\_\_\_\_\_

- \_\_\_ 7.4 Solving Polynomial Equations in Factored Form
- \_\_\_ 7.5 Factoring  $x^2 + bx + c$
- \_\_\_ 7.6 Factoring  $ax^2 + bx + c$

**Chapter 7 Polynomial Equations and Factoring Test**      **Score**\_\_\_\_\_

**Unit 5: Expressions and Equations Test**      **Score**\_\_\_\_\_

**Unit 5: Math Journal Entries**      **Score/Average**\_\_\_\_\_

**\*\*\*End of Fourth Quarter / Second Semester**