**Algebra 1 - Homework Syllabus**

**(Reg)**

**Expectations:**
**·Rewrite original problem (unless word problem or specified)**
**·Show ALL work**
**·Answer question being asked**
**\*Indicates students may use a calculator**

**Chapter 1: Expressions, Equations and Functions**

**1.1: Evaluate Expressions (pp. 5-7)**
**Set A: Evaluate Algebraic Expressions (4):** 4, 8, 12, 14
**Set B: Evaluate Powers (6):** 18, 20, 22, 28, 30, 34
**Set C: Evaluate Algebraic Expressions Involving Powers (2):** 38, 42 **WP: Word Problems (2):** 49, 50

15 Problems Total

**1.2: Apply Order of Operations (pp. 10-12)**
**Set A: Apply Order of Operations (4):** 6, 8, 12, 16
**Set B: Evaluate Algebraic Expressions by Applying Order of Operations (3):** 24, 26, 30
**WP: Word Problems (3):** 36, 38, 39 part a

10 Problems Total

**1.3: Write Algebraic Expressions (pp. 18-20)**
**Set A: Translate verbal phrases into expressions (4):** 8, 10, 12, 14
**Set B: Write expressions to represent real-world situations (3):** 16, 18, 20
**Set C: Unit Rates (2):** 24, 29\*
**WP: Word Problems (3):** 31, 33\*, 35

12 Problems Total

**1.4: Write Equations and Inequalities (pp. 24-26)**
**Set A: Translate verbal phrases into equations and inequalities (4):** 4, 6, 8 ,12
**Set B: Decide if a given number is a solution to an equation or inequality (4):** 22, 26, 28, 36
**WP: Word Problems (3):** 40, 42, 43

11 Problems Total

**1.6: Represent Functions as Rules and Tables (pp. 38-40)
Set A: Identifying pairings as functions/identifying domain and range (4):** 4, 6, 7, 12 **Set B: Completing a function table (3):** 14, 16

**Set C: Writing a rule for a function (2):** 20, 21 **WP: Word Problems (3):** 24, 25, 28\*

**10 Problems Total**

**1.7: Represent Functions as Graphs (pp. 46-48)**

**Set A: Write a rule for a function (3):** 10, 11, 12