**Algebra 1 - Homework Syllabus**

**(P1)**

**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 (6):** 3, 4, 5, 6, 8, 10
**Set B: Evaluate Powers (7)** 16, 18, 22, 26, 27, 28, 30
**Set C: Evaluate Algebraic Expressions Involving Powers (2):** 40, 42 **WP: Word Problems (2):** 48, 50

17 Problems Total

**1.2: Apply Order of Operations (pp. 10-12)**
**Set A: Apply Order of Operations (6):** 4, 6, 10, 12, 14, 18
**Set B: Evaluate Algebraic Expressions by Applying Order of Operations (3):** 22, 24, 26
**WP: Word Problems (3):** 34, 35, 36

12 Problems Total

**1.3: Write Algebraic Expressions (pp. 18-20)**
**Set A: Translate verbal phrases into expressions (5):** 4, 6, 8, 10, 12 (rewrite problem and underline key words/phrases to translate)
**Set B: Write expressions to represent real-world situations (3):** 15, 18, 19 (create table first, then write expression)
**Set C: Unit Rates (5):** 22, 23\*, 24, 25\*, 29\*
**WP: Word Problems (3):** 31, 33\*, 36

16 Problems Total

**1.4: Write Equations and Inequalities (pp. 24-26)**
**Set A: Translate verbal phrases into equations and inequalities (5):** 3, 4, 5, 6, 8 (rewrite problem and underline key words/phrases to translate)
**Set B: Decide if a given number is a solution to an equation or inequality (4):** 18, 20, 22, 24
**WP: Word Problems (3):** 39,40, 41

12 Problems Total

**1.6: Represent Functions as Rules and Tables (pp. 38-40)**
**Set A: Identifying pairings as functions/identifying domain and range (6):** 3, 4, 5, 6, 7, 8
**Set B: Completing a function table (3):** 14, 15, 16
**WP: Word Problems (3):** 23, 24, 27

12 Problems Total

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

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