**Algebra 1 - Homework Syllabus**

**(P1)**

**Expectations:**
**·Rewrite original problem (unless word problem or specified)**
**·Show ALL work in the vertical format. (Must show each step)**
**·Answer question being asked**

**·Students may use a calculator**

**Chapter 3: Solving Linear Equations**

**3.1: Solve One-Step Equations (pp. 137-140)**
**Set A: Adding/Subtracting Equations (4):** 4, 6, 8, 10
**Set B: Multiplication/Division Equations (4):** 18, 20, 24, 26
**Set C1: Decimal/Fraction Equations (4):** 32, 34, 36, 38

**Set C2: Using Reciprocals (5):** 40, 42, 44, 46, 48
**WP: \*Always start by identifying a variable and writing an equation (3):** 54, 55, 56

20 Problems Total (2 Days intended)

**3.2: Solve Two-Step Equations (pp. 144-146)**
**Set A: Solve Two-Step Equations (6):** 4, 6, 8, 10, 16, 18
**Set B: Write a function and solve for input (2):** 24, 25
**Set C: Fraction and Decimal Equations (2):** 28, 32
**WP (3):** 37, 38, 40

13 Problems Total

**3.3: Solve Multi-Step Equations (pp. 150-153)**
**Set A: Solve by Combining Like Terms (3):** 4,6,8
**Set B: Solve by Distributing First (2):** 12,14
**Set C: Solve by Using Reciprocals (2):** 19, 20
**Set D: Decimals (1):** 27
**WP (3):** 33, 38, 39

11 Problems Total

**3.4: Solve Equations with Variables on Both Sides (pp. 157-159)**
**Set A: Basic Variables on Both Sides (no “no sol” or “any number”) (7):** 3, 4, 9, 10, 11, 31, 32
**Set B: Including “No solution” and “Any number” (5):** 18, 19, 20, 23, 24
**WP (3):** 49, 50, 52a.

 15 Problems Total

**3.5/3.6: Write and Solve Ratios and Proportions (pp. 165-167 and 171-173)**
**Set A: Basic Proportions and Ratios (pp. 165-167) (5):** 6, 8, 10, 24, 26
**Set B: Solving Proportions that Involve Distributing (pp. 171-173) (4):** 7, 8, 10, 11
**Set C: Solving Proportions Involving Variables on both sides (pp. 171-173) (4):** 12, 13, 14, 19
**WP (Ratios) (pp. 165-167) (2):** 47, 48, 49
**WP (Proportions) (pp. 165-167) (2):** 50, 51
**WP (Scale) (pp. 171-173) (2):** 35, 37

 19 Problems Total

**3.7: Solve Percent Problems (pp. 179-181)**
**Set A: Basic Percent Problems (Can use either percent equation or percent proportion) (6):** 3, 5, 7,

 9, 13, 15

**Set B: Evaluate percent problems/Real-world percent problems (2):** 22, 28
**WP (3):** 33, 34, 35

9 Problems Total

**3.8: Rewrite Equations and Formulas**
**Set B: Rewrite Equations into Function Form (4):** 11, 12, 13, 14, 15, 16

6 Problems Total