**Algebra 1 - Homework Syllabus**

**(Reg)**

**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 5: Writing Linear Equations**

**5.1: Write Linear Equations in Slope-Intercept Form (pp. 286-289)**
**Set A: Write equation given m and b (2):** 5, 6
**Set B: Write equation from a graph (4):** 11, 13, 19, 20
**Set C: Write equation given two points (3):** 24, 25, 26
**Set D: Write equation given function values (4):** 31, 35, 37, 41
**WP (3):** 45, 46, 47

16 Problems Total

**5.2: Use Equations in Slope-Intercept Form (pp. 296-299)**
**Set A: Write Equation given Slope and one point (2):** 5, 7
**Set B: Write Equation given two points (2):** 11, 13
**Set C: Write Equation from a graph (2):** 17, 19
**Set D: Write Equation given function values (3):** 23, 27, 32
**Set E: Challenge/Multi-step (2):** 38, 40
**WP \*Separate worksheet with word problems from textbook (1):** 47

12 Total Problems

**5.5: Write Equations of Parallel and Perpendicular Lines (pp. 322-324)**
**Set A: Write Equations of Parallel Lines (3):** 4, 5, 7
**Set B: Determine Parallel or Perpendicular Lines (2):** 12, 13
**Set C: Write Equations of Perpendicular Lines (3):** 22, 23, 24
**WP (3):** 32, 33, 34

11 Problems Total

**5.4: Write Linear Equations in Standard Form (pp. 314-316)**

**Set A: Write Equivalent Equations (2):** 5, 6 **Set B: Write Equations in Standard Form (4):** 11, 12, 13, 15 **Set C: Write Horizontal and Vertical Line Equations (2):** 23, 24 **Set D: Find Missing Coefficients and Write Equations (2):** 31, 34

**WP (3):** 38, 39, 40

13 Problems Total

**5.6: Fit a Line to Data (pp. 328-331)**

**\*Use WS 4.6C but if need extra use below
Set A: Decide on type of correlation (3):** 3, 4, 5  **Set B: Scatter Plot/Line of Fit (4):** 6, 8, 13, 15

**WP (1):** 16

8 Problems Total