**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 4: Graph Linear Equations and Functions**

**4.2: Graph Linear Equations by Making a Table**
**\*Use Worksheets**

**4.3: Graphing Using Intercepts (pp. 229-231)**
**Set A(6):** 4, 5, 6, 7, 8, 9
**Set B: Find intercepts and Graph (3):** 16, 17, 18
**Set C: Identify intercepts from a graph (2):** 28, 29
**Set D: Graph given intercepts (3):** 31, 32, 33
**WP (2):** 45, 46

16 Problems Total

**4.4: Find Slope and Rate of Change (pp. 239-242)
Set A: Find slope from a graph (2):** 4, 6 **Set B1: Find slope when given two points (5):** 8, 11, 12, 13, 16

**Set B2: Includes zero and undefined (5):** 5, 9, 10, 14, 15

12 Problems Total

**4.5: Graph Using Slope-Intercept Form (pp. 247-250)**
**Set A: Identify slope and *y*-intercept (6):** 3, 4, 5, 6, 7, 8
**Set B: Rewrite into slope-intercept from then identify (3):** 11, 12, 13
**Set C1: Graph already in y= form (5):** 21, 22, 24, 25, 26
**Set C2: Rewrite into *y* = *mx + b* then graph (2):** 24, 25

16 Problems Total

**4.6: Model Direct Variation (pp. 256-259)**
**Set A: Direct Variation- Yes or No? If yes, identify *a* or write. (4):** 3, 4, 5, 6,
**Set B: Graph D.V. equations (6):** 11, 12, 13, 14, 15, 17
**Set C: Write D.V. equations (4):** 24, 29, 30, 33
**WP (2):** 40, 42

16 Problems Total

**4.7: Graphing Linear Functions (Function Notation) (pp. 265-268)**
**Set A: Evaluate a function given *x* (3):** 3, 4, 5
**Set B: Find *x* for a given function value (6):** 15, 16, 17, 19, 20, 21
**Set C: Graph and compare to *f*(*x*) = *x* (6):** 23, 24, 25, 29, 30 31
**WP (1):** 41

16 Problems Total