**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 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: Find intercepts (2):** 9, 12  
**Set B: Find intercepts and Graph (2):** 16, 24  
**Set C: Identify intercepts from a graph (2):** 29, 30  
**Set D: Graph given intercepts (1): 33**  
**WP (2):** 45, 46

9 Problems Total

**4.4: Find Slope and Rate of Change (pp. 239-242)**  
**Set A: Find slope from a graph (3):** 4, 5, 6  
**Set B: Find slope when given two points (4):** 9, 11, 15, 16  
**Set C: Find a missing coordinate given the slope (2):** 24, 27  
**Rate of Change (2):** 19, 37

11 Problems Total

**4.5: Graph Using Slope-Intercept Form (pp. 247-250)**  
**Set A: Identify slope and *y*-intercept (2):** 4, 5,   
**Set B: Rewrite into slope-intercept from then identify (3):** 12, 13, 15  
**Set C: Graph Part 1 Only: C1- Graph already in y= form (4):** 22, 23, 26, 28  
**Set D: Parallel Lines C2- rewrite then graph (3):** 30, 32, 34

12 Problems Total

**4.6: Model Direct Variation (pp. 256-259)**  
**Set A: Direct Variation- Yes or No? If yes, identify *a* or write. (4):** 4, 7, 26, 27  
**Set B: Graph D.V. equations (3):** 11, 18, 21  
**Set C: Write D.V. equations (4):** 23, 30, 31, 32   
**WP (3):** 40, 41, 42

17 Problems Total

**4.7: Graphing Linear Functions (Function Notation) (pp. 265-268)**  
**Set A: Evaluate a function given *x* (2):** 5, 10  
**Set B: Find *x* for a given function value (2):** 16, 17  
**Set C: Graph and compare to *f*(*x*) = *x* (2):** 27, 33  
**WP (3):** 39, 40, 41 (no graphing on 39 and 40)

9 Problems Total