Algebra 1 - Homework Syllabus
(Reg)

Expectations:

·Rewrite original problem (unless word problem or specified)

·Show <u>ALL</u> work

·Answer question being asked

*Indicates students may use a calculator

<u>Chapter 4: Graph Linear Equations and Functions</u>

<u>4.2: Graph Linear Equations by Making a Table</u>

*Use Worksheets

<u>4.3: Graphing Using Intercepts (pp. 229-231)</u>

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

<u>4.4: Find Slope and Rate of Change (pp. 239-242)</u>

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

<u>4.5: Graph Using Slope-Intercept Form (pp. 247-250)</u>

Set A: Identify slope and *y*-intercept (2): 3, 4, 5, 6, 7, 8, 9

Set B: Rewrite into slope-intercept from then identify (3): 10, 11, 12, 13, 14, 15, 16

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