**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 6: Solving and Graphing Linear Inequalities**

**6.1: Solving Inequalities Using Addition and Subtraction (pp. 359-361)**

**Set A: Write and Graph Inequalities (4):** 3, 4, 6, 7

**Set B: Solve and Graph Inequalities (4):** 11, 12, 16, 17

**Set C: Translate a verbal phrase, then solve and graph an inequality (2):** 24, 25

**WP (4):** 27, 31, 32, 33

14 Problems Total

**6.2: Solving Inequalities Using Multiplication and Division (pp. 366-368)**

**Set A: Solve and Graph Inequalities (9):** 4, 5, 6, 9, 10, 11, 12, 13, 14

**Set B: Translate a verbal phrase, then solve and graph an inequality (2):** 30, 31

**WP (3):** 36, 38 (b only), 39

14 Problems Total

**6.3: Solve Multi-Step Inequalities (pp. 372-374)**

**Set A: Solve and Graph Basic Multi-Step Inequalities (3):** 3, 4, 6

**Set B: Solve and Graph Multi-Step Inequalities Involving “no solution” or “all real #s” (5):** 17, 18, 19, 23, 24

**Set C: Translate the verbal phrase into an inequality and solve (2):** 29, 30

**WP (3):** 34, 37, 38

13 Problems Total

**6.7: Graph Linear Inequalities in two Variables (pp. 409-412)**

**Set A: Check if the given ordered pair is a solution to the linear inequality (3):** 3, 4, 8

**Set B: Graph the linear inequality (5):** 17, 21, 22, 23, 24

**Set C: Write linear inequalities given a graph or description (3):** 44, 45, 46

**WP (2):** 53, 55 (a and b only)

13 Problems Total