Name _____

Date _____ Hour _____

Algebra 2 & Trig.

Problem of the week- Due 10-03-2008

Directions: Print out this page and answer the following questions directly on that sheet of paper.

1. (2 points) What type of line and what type of shading is used to graph $y > 2x + 3$?

2. (2 points) What type of line and what type of shading is used to graph $2x - 5 \leq -8y$?

3. (2 points) Where do the numbers come from when you are finding the maximum and minimum of an objective function in a linear programming problem?

4. (2 points) Say the vertices of a feasible region are (2, 4), (2, 8) and (5, 8) and the objective function is $f(x,y) = -3x + 2y$. What is the maximum? What is the minimum?

5. (2 point) Solve for x: $|2x + 7| = 5$