Name _____ Date ____/____/____

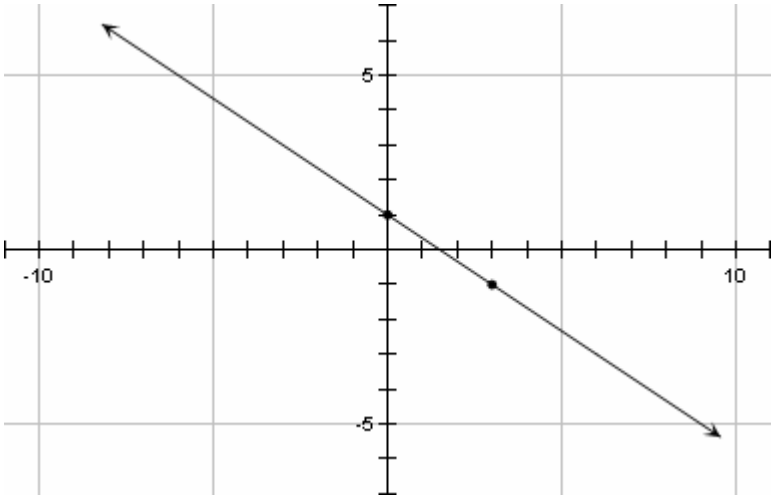
Algebra Señor Towne

A Wee-Bit of Review for the Quarter II Final

1) Write the coordinates of the two points that are marked on the graph

2) What sign (positive or negative) will the slope of the line be, and how do you know?

3) Find the slope of the line.




4) Using the slope you found in question 3, write the coordinates of three more points on the line that you can plot on the graph at the right. Then graph them.

5) What is the *y*-intercept of the line?

6) Write the equation of the line in slope-intercept, $y = \underbrace{a}_{y\text{-int}} + \underbrace{b}_{slope} x$, form.

7) Using the point $(3,1)$ and the slope of the line, write the equation in point-slope, $y = y_1 + \underbrace{m}_{slope}(x - x_1)$, form.

8) By using the distributive property and by combining like terms, show algebraically that your answer for question 7 is equivalent to your answer to question 6.

9) If $x = 150$, then what value would *y* have to be?

10) If $y = 150$, then what value would *x* have to be?