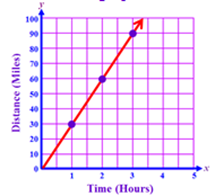
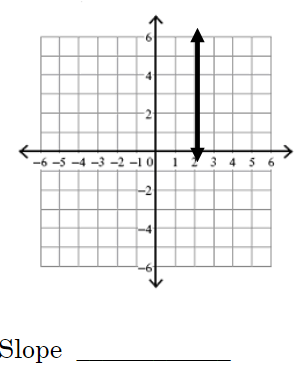
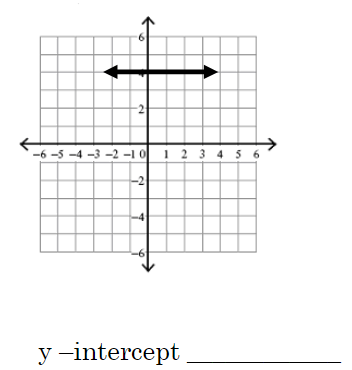
Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_

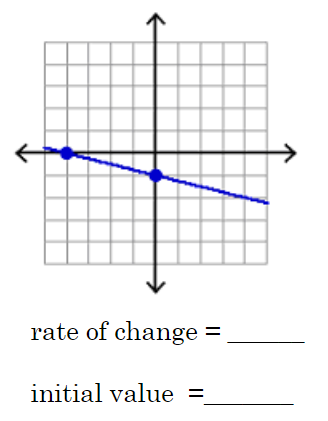
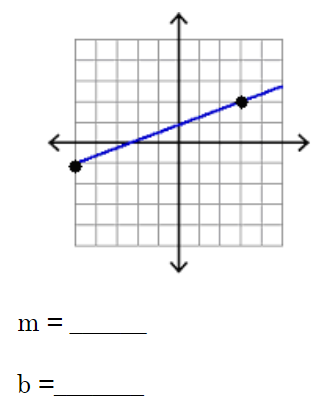
**Homework #10 - Due Friday 12/7**

1. The distance a rabbit can run is given by the equation y equals 35 x. The distance covered by a grizzly bear is shown on the graph.  
   Which animal is faster?

**Directions:** Identify the slope and y-intercept.



1. 3)



1. 5)

6) Given y equals minus 2 x plus 1, what is the slope of the line? \_\_\_\_\_\_

7) If the slope of the line is negative 4 and the y-intercept is 6 what is the equation of the line? \_\_\_\_\_\_\_\_

8) Write the equation of the line given m equals one-half a. n d b equals 3. \_\_\_\_\_\_\_\_

9) Write the equation of the line given m equals negative 5 a. n d b equals 6. \_\_\_\_\_\_\_\_\_\_

10) Write the equation of the line that passes through the point (-7, 10) and has a slope of -4.

11) Write the equation of the line that has a slope of two-thirds and passes through the point (6, 2).

12) Write the equation of the line that passes through the point (-1, -4)with a slope of 1.

13) Write the equation of the line that passes through the point (6, 2) and has a slope of negative one-third.