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

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

1. The distance a rabbit can run is given by the equation . 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)
2.

 6) Given , what is the slope of the line? \_\_\_\_\_\_

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

 8) Write the equation of the line given . \_\_\_\_\_\_\_\_

 9) Write the equation of the line given . \_\_\_\_\_\_\_\_\_\_

 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  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 .