Name _____   **Date** _____   **Period** _____
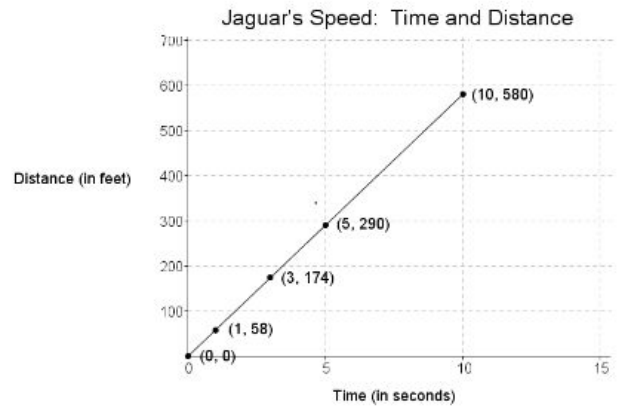
Math Homework 10

1. The graph below shows the relationship of the amount of time (in seconds) to the distance (in feet) run by a jaguar.

   a. What does the point (5, 290) represent in the context of the situation?

   Jaguar's Speed: Time and Distance

   b. Is the distance run by the jaguar proportional to the time? Explain how you can tell.

   c. Write an equation to represent the distance run by the jaguar.
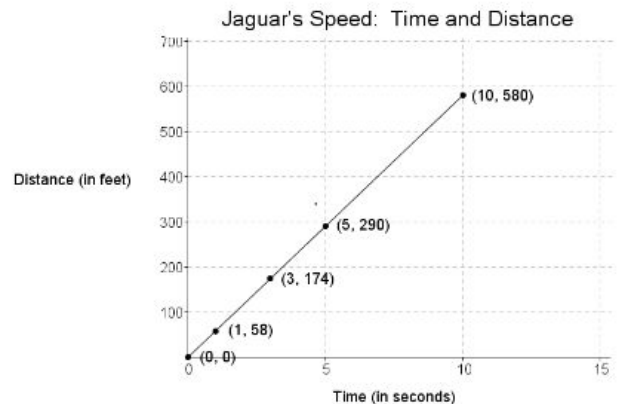
2. The following table shows the amount of candy and price paid.

Amount of candy (in pounds)	2	3	5
Cost (in dollars)	5	7.5	12.5

    a. Is the cost of the candy proportional to the amount of candy? Explain how you can tell.

    b. Using the table, predict how much it will cost of 12 pounds of candy. Explain your reasoning.