5.8 Homework

1. The graph to the right 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?
   b. What does the point $(3, 174)$ represent in the context of the situation?
   c. Is the distance run by the jaguar proportional to the time? Explain why or why not.
   d. Write an equation to represent the distance run by the jaguar. Explain or model your reasoning.

2. The graph represents the total cost of renting a car. The cost of renting a car is a fixed amount each day, regardless of how many miles the car is driven.
   a. What does the ordered pair $(4, 250)$ represent?
   b. What would be the cost to rent the car for a week? Explain or model your reasoning.