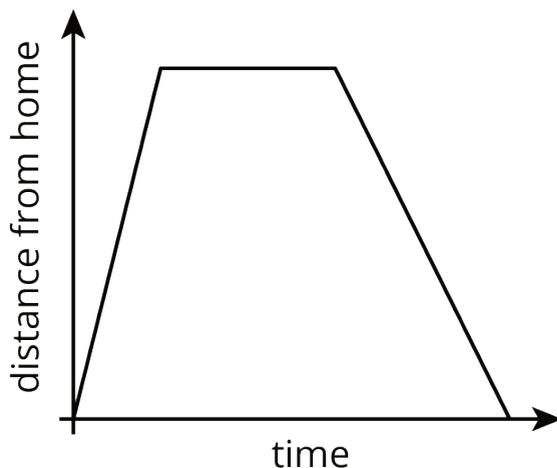


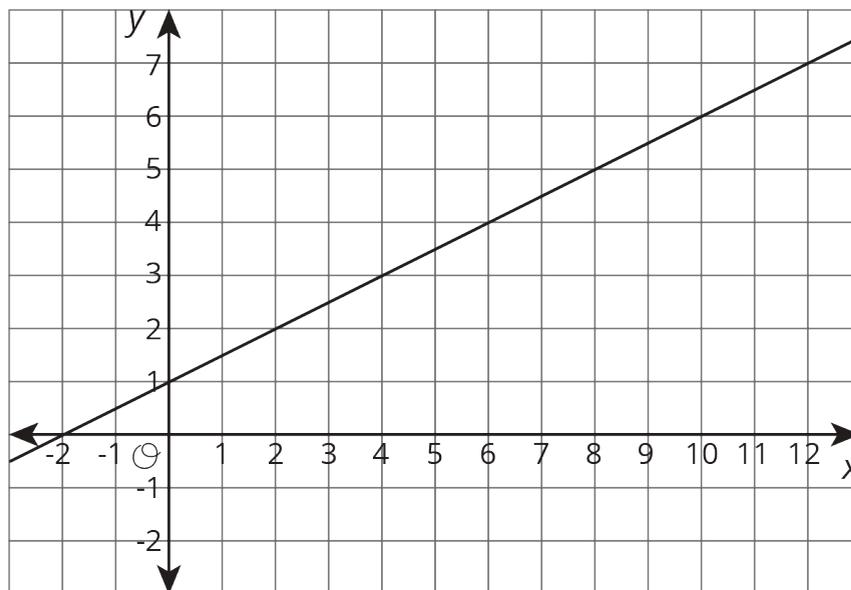
Lesson 10 Practice Problems

1. The graph shows the distance of a car from home as a function of time.



Describe what a person watching the car may be seeing.

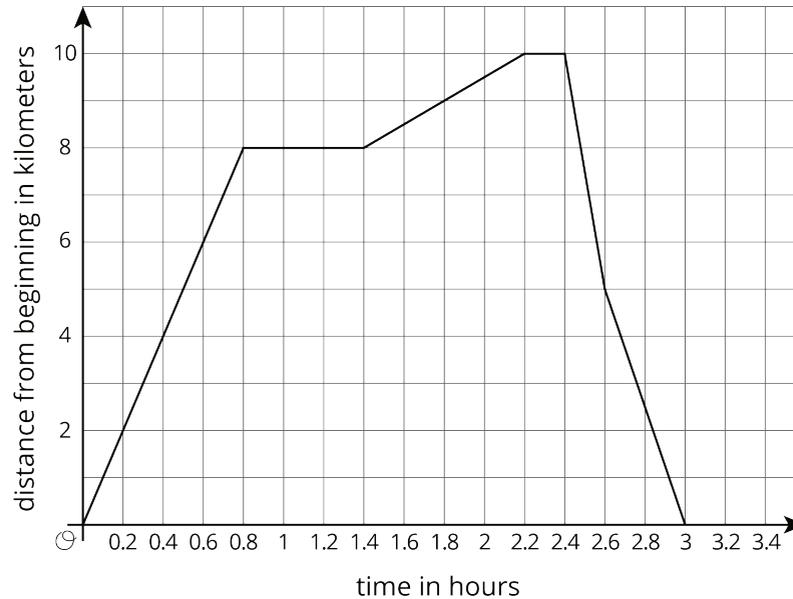
2. The equation and the graph represent two functions. Use the equation $y = 4$ and the graph to answer the questions.



- When x is 4, is the output of the equation or the graph greater?
- What value for x produces the same output in both the graph and the equation?

(From Unit 5, Lesson 7.)

3. This graph shows a trip on a bike trail. The trail has markers every 0.5 km showing the distance from the beginning of the trail.



- When was the bike rider going the fastest?
 - When was the bike rider going the slowest?
 - During what times was the rider going away from the beginning of the trail?
 - During what times was the rider going back towards the beginning of the trail?
 - During what times did the rider stop?
4. The expression $-25t + 1250$ represents the volume of liquid of a container after t seconds. The expression $50t + 250$ represents the volume of liquid of another container after t seconds. What does the equation $-25t + 1250 = 50t + 250$ mean in this situation?

(From Unit 4, Lesson 9.)