

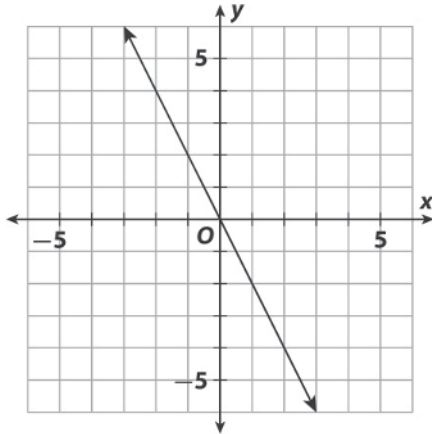
**LESSON**  
**3-2**

**Rate of Change and Slope**

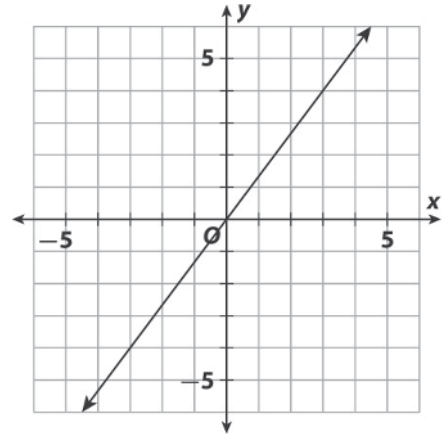
*Practice and Problem Solving: A/B*

Find the slope of each line.

1. slope = \_\_\_\_\_



2. slope = \_\_\_\_\_



**Solve.**

3. Jasmine bought 7 yards of fabric. The total cost was \$45.43. What was the average cost per yard of the fabric she bought?

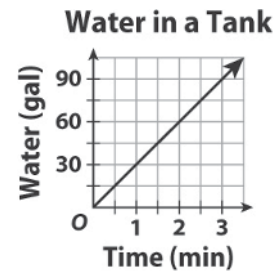
\_\_\_\_\_

4. A train traveled 325 miles in 5 hours. What was the train's average rate of speed in miles per hour?

\_\_\_\_\_

5. The graph at the right shows the amount of water in a tank that is being filled. What is the average rate of change in gallons per minute?

\_\_\_\_\_



6. Suppose the size of the tank in question 5 is doubled. Will the average rate of change in gallons per minute change? Explain your answer.

\_\_\_\_\_  
\_\_\_\_\_

7. A line passes through  $(1, 1)$ ,  $(-2, 4)$ , and  $(6, n)$ . Find the value of  $n$ .

\_\_\_\_\_