

Name: _____

Date: _____

Basic Skills
Slope and Distance Over Time

Find the slope of the line passing through the given points.

1. $(3,2), (2,3)$

2. $(5,2), (3,8)$

3. $(4,6), (-2,6)$

4. $(2,0), (1,5)$

5. $(3,-9), (3,8)$

6. $(2,9), (-6,-7)$

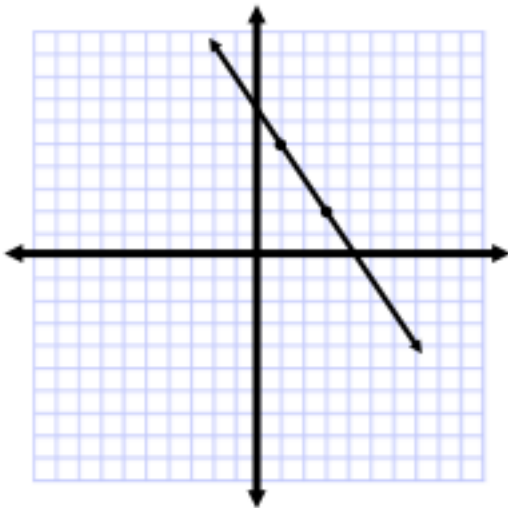
7. $(-1,4), (3,-2)$

8. $(7,2), (-8,-3)$

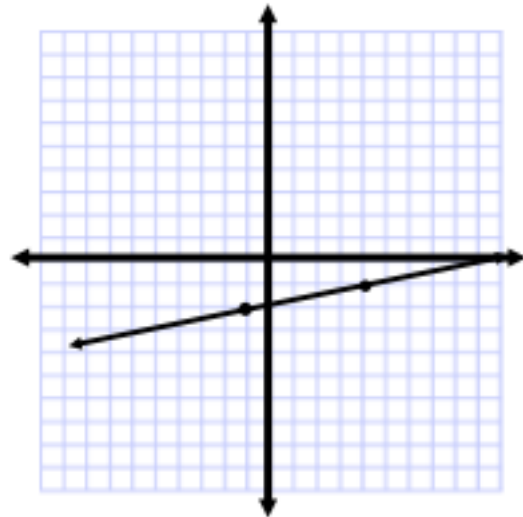
10. $(4,-2), (-8,-2)$

Find the slope of the line.

11.



12.



13. Howard decides to start jogging every day at the track. The first week he jogs 6 laps. He adds 2 laps each week for 8 weeks. Let l represent the number of laps Howard runs and let t represent the time in weeks since he began jogging.

- a. Plot points for the number of laps Howard jogs at one-week intervals. Draw a line through the points.



- b. Find the slope. What does it represent?

14. The cost of a long-distance telephone call is \$.85 for the first minute and \$.05 for each additional minute. Let c represent the total cost of a call that lasts t minute.

- a. Plot points for the cost of calls in one minute intervals. Draw a line through the points.



- b. Find the slope. What does it represent?