**9.** (5, 2), (-3, 2)

## 2-3 Skills Practice Rate of Change and Slope

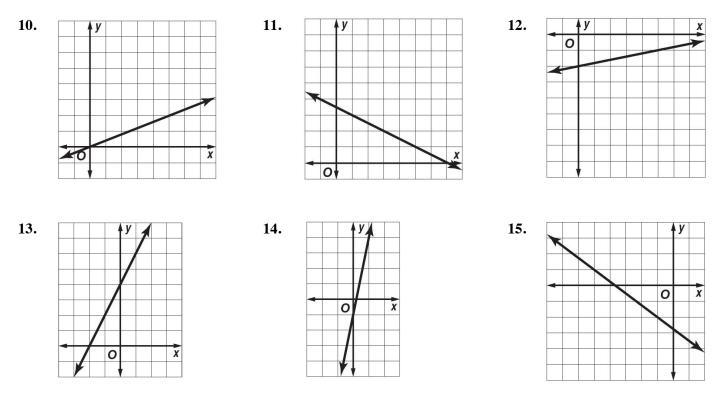
Find the slope of the line that passes through each pair of points.

<b>1.</b> (1, 5), (-1, -3)	<b>2.</b> (0, 2), (3, 0)	<b>3.</b> (1, 9), (0, 6)
<b>4.</b> (8, -5), (4, -2)	<b>5.</b> (-3, 5), (-3, -1)	<b>6.</b> (-2, -2), (10, -2)

**8.** (-2, -4), (3, 2)

## Determine the rate of change of each graph.

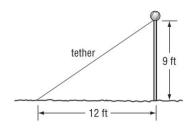
**7.** (4, 5), (2, 7)



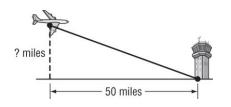
16. HIKING Naomi left from an elevation of 7400 feet at 7:00 A.M. and hiked to an elevation of 9800 feet by 11:00 A.M. What was her rate of change in altitude?

## 2-3 Word Problem Practice Rate of Change and Slope

**1. TETHER** A tether is tied tautly to the top of a pole as shown. What is the slope of the tether?



**2. AVIATION** An airplane descends along a straight-line path with a slope of -0.1 to land at an airport. Use the information in the diagram to determine the initial height of the airplane.



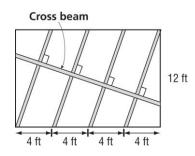
**3. ROCK CLIMBING** Gail is climbing at a popular rock climbing spot, Boulder Canyon Sport Park in Colorado. The table below shows Gail's altitude above ground during a rock climb up a cliff.

Time	Altitude (m)
10:00	0
10:20	22
10:40	30
11:00	33

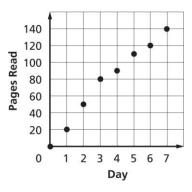
Complete the following table of Gail's average rate of ascent.

Time Period	Average rate of ascent (m/h)
10:00–10:20	
10:20–10:40	
10:40–11:00	

**4. DESIGN** An architect is designing a window with slanted interior bars. The crossbeam is perpendicular to the other four bars. What is the slope of the crossbeam?



**5. READING** The graph shows how many pages of her book Bridget read each day.



- **a.** Find the average number of pages Bridget read per day.
- **b.** On which days did Bridget read more pages than her daily average?
- **c.** If Bridget had been able to keep up the pace she had on day 3, how many days would it have taken her to reach page 140?