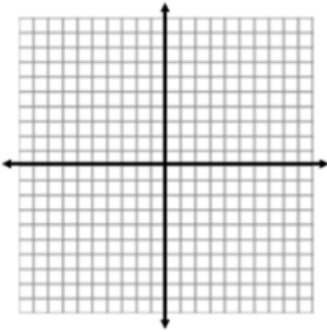


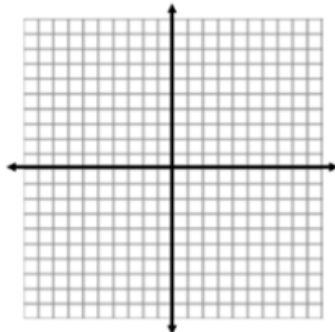
**Plot the points and draw a line through them. Then tell whether the slope of the line is *positive*, *negative*, *zero*, or *undefined*.**

1. (1, -4) and (5, -8)



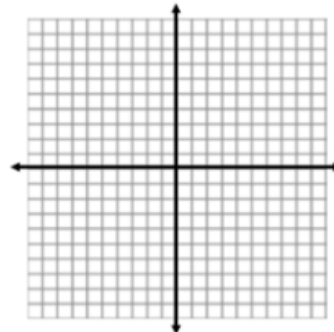
\_\_\_\_\_

2. (-3, 6) and (-3, 0)



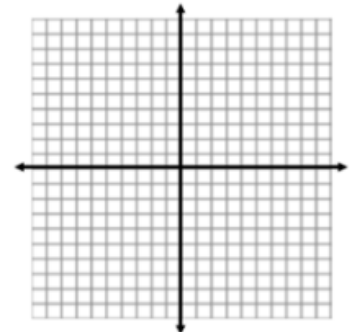
\_\_\_\_\_

3. (7, 1) and (-2, 1)



\_\_\_\_\_

4. (-4, -5) and (-3, -2)



\_\_\_\_\_

**Find the slope of the line that passes through the points.**

5. (1, 2) and (7, 7)

6. (3, 4) and (-5, 0)

7. (5, -2) and (5, 8)

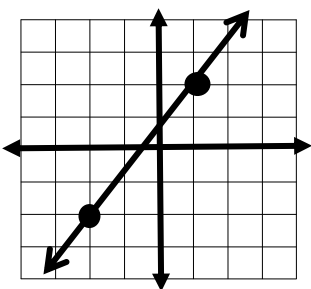
8. (3, 0) and (8, 0)

9. (-6, -6) and (-2, -2)

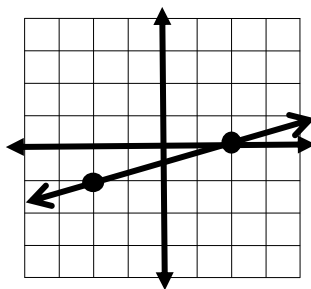
10. (-5, -4) and (1, -2)

**Find the slope of the line that passes through the points.**

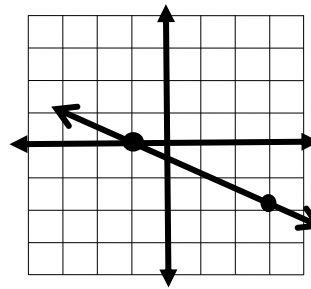
11. Slope= \_\_\_\_\_



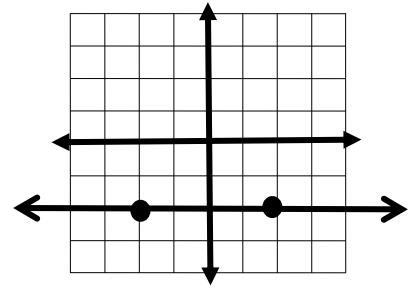
12. Slope= \_\_\_\_\_



13. Slope= \_\_\_\_\_



14. Slope = \_\_\_\_\_



15. A ramp has a rise of 10 feet and a run of 50 feet. Find its slope.

Find the value of  $x$  or  $y$  so that the line passing through the two points has the given slope.

16.  $(-3, y), (-9, -2); m = 1$

17.  $(x, -7), (1, 2); m = 3$

18.  $(9, y), (3, 2); m = \frac{2}{3}$

19.  $(7, 5), (x, 2); m = \frac{3}{4}$

20. The table shows the number of days you keep a rented movie before returning it and the total cost of renting the movie. Find the rate of change in cost with respect to time and interpret its meaning.

<b>Time (days)</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>Cost (dollars)</b>	<b>6.00</b>	<b>8.25</b>	<b>10.50</b>

21. A community theater performed a play each Saturday evening for 10 consecutive weeks. The graph shows the attendance for the performances in weeks 1, 4, 6, and 10.

Describe the rates of change in attendance with respect to time.

**Weeks 1–4:**

**Weeks 4–6:**

**Weeks 6–10:**

