

Name _____

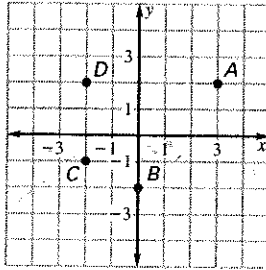
Date _____

CHAPTER
4

Chapter 4 REVIEW

Write the coordinates of the point.

1. A
2. B
3. C
4. D

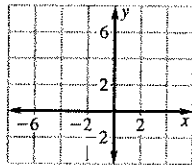


Tell whether the ordered pair is a solution of the equation.

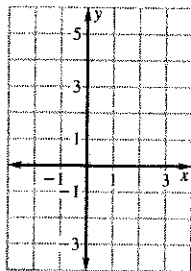
5. $y = 2x + 2$; $(-3, 2)$
6. $2x + y = -1$; $(1, -3)$
7. $4y - 3x = 4$; $(0, 1)$

Draw the line that has the given intercepts.

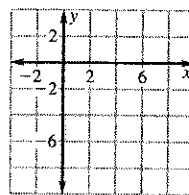
8. x-intercept: -2
y-intercept: 4



9. x-intercept: 1
y-intercept: 3



10. x-intercept: 6
y-intercept: -6



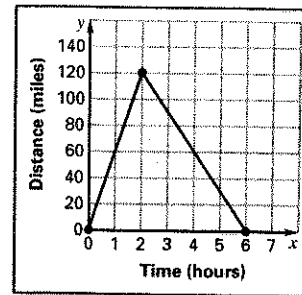
Find the slope of the line that passes through the points.

11. $(4, 2)$ and $(3, 4)$ 12. $(5, 1)$ and $(5, -2)$ 13. $(-1, 3)$ and $(2, 4)$

In Exercises 14 and 15, use the following information.

The graph shows the distance of a car traveling along a straight road for 6 hours. A positive rate of change is motion to the right, and a negative rate of change is motion to the left.

14. Determine the rate of change and the direction of the motion during the first two hours.
15. Determine the rate of change and the direction of the motion during the last four hours.



Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. See left.
9. See left.
10. See left.
11. _____
12. _____
13. _____
14. _____
15. _____

Tell whether each point is in Quadrant I, II, III, IV or on an axis.

Name _____

Date _____

CHAPTER
4

Chapter 4 Review Cont.

Identify the slope and y-intercept of the line with the given equation.

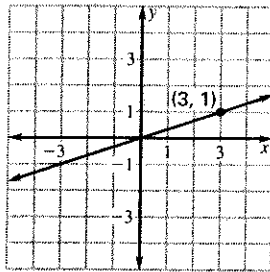
16. $y = 5x + 2$

17. $y = x - 4$

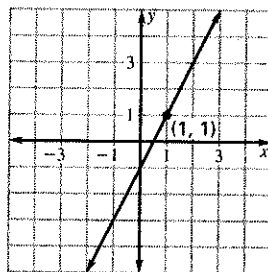
18. $2x + y = -6$

Determine whether the graph represents direct variation. If so, identify the constant of variation.

19.



20.



In Exercises 21 and 22, use the following information.

The amount of precipitation varies directly with the duration of the storm. The table shows the amounts of precipitation for various durations of storms.

Duration of storm (in hours), d	2	4	6
Amount of rain (in inches), r	1	2	3

21. Write a direct variation equation that relates r and d .

22. How many inches of rain will fall after 5 hours?

Evaluate the function for the given value of x .

23. $f(x) = 3x + 12$; -5

24. $g(x) = 2.25x$; 100

Find the value of x so that the function has the given value.

25. $h(x) = -4x + 3$; 11

26. $p(x) = 9x - 2$; 1

Answers

16. _____

17. _____

18. _____

19. _____

20. _____

21. _____

22. _____

23. _____

24. _____

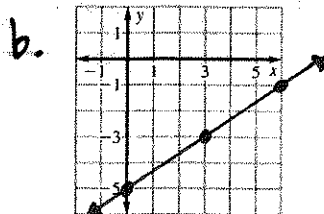
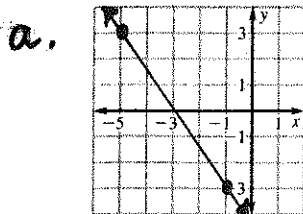
25. _____

26. _____

27. Find the x-intercept: $X + 5y = 11$.

28. Write an equation of a VERTICAL line.

29. Find the slope of each graphed line.



30. Write the line from # 29 b in Slope-intercept Form.