CHAPTER 4

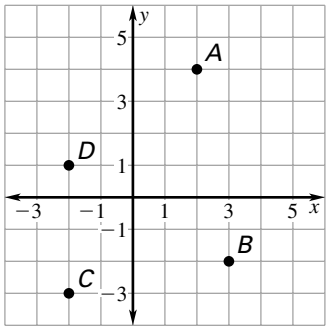
NAME _____ DATE _____

Chapter Test A

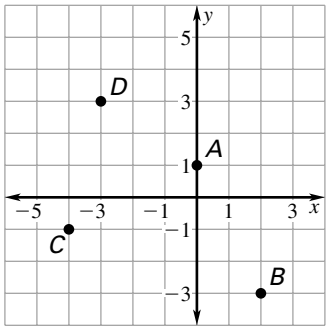
For use after Chapter 4

Write the ordered pairs that correspond to the points labeled *A, B, C,* and *D* in the coordinate plane.

1.



2.



Without plotting the point, tell whether it is in Quadrant I, Quadrant II, Quadrant III, or Quadrant IV.

3. $(7, -10)$

4. $(-4, -8)$

Decide whether the given ordered pair is a solution of the equation.

5. $y - x = 5, (2, 7)$

6. $y + 4 = -2x, (-3, 10)$

Find the *x*-intercept of the graph of the equation.

7. $x + 6y = 7$

8. $4x + y = 3$

Find the *y*-intercept of the graph of the equation.

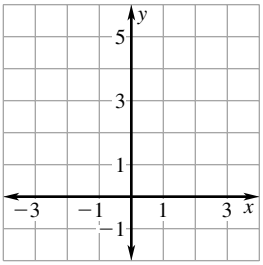
9. $y - 3x = 4$

10. $2y + x = 8$

Sketch the line that has the given intercepts.

11. x-intercept: 1

y-intercept: 2



Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. Use grid at left.

NAME _____ DATE _____

Chapter Test A

For use after Chapter 4

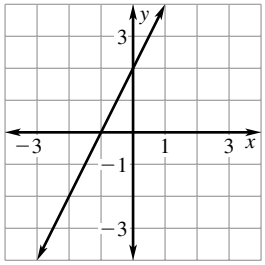
Find the slope of the line passing through the points.

12. (3, 4), (1, 3)

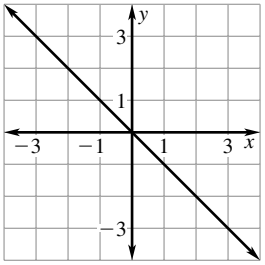
13. (2, 7), (5, 6)

Find the slope of the line.

14.



15.



The variables *x* and *y* vary directly. Use the given values to write an equation that relates *x* and *y*.

16. $x = 3, y = 15$

17. $x = 4, y = -16$

Find the slope and *y*-intercept of the graph of the equation.

18. $y = 2x + 5$

19. $y = 5 - 3x$

Solve the equation algebraically.

20. $4x - 3 = 2$

21. $9 = 10 - x$

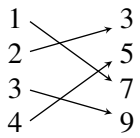
Decide whether the graphs of the two equations are parallel lines.

22. $y = 2x + 1,\ 2y = 4x + 5$

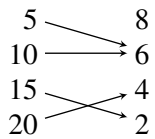
23. $y = 4x - 3,\ y = -4x + 3$

Decide whether the relation is a function.

24. Input Output



25. Input Output



12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____

21. _____

22. _____

23. _____

24. _____

25. _____