

4.3

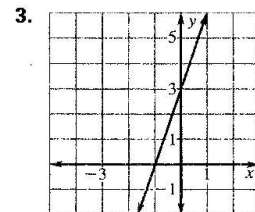
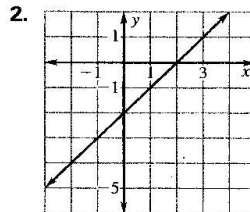
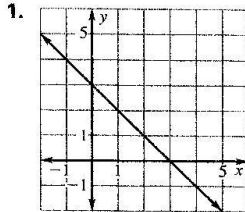
NAME _____

DATE _____

Practice A

For use with pages 218–224

Use the graph to find the x -intercept and the y -intercept of the line.



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

4. $x + y = 5$

5. $x - y = -6$

6. $x - 3y = 7$

7. $-3x + y = 15$

8. $2x - 10y = -30$

9. $6x + 12y = 36$

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

10. $y = -3x - 4$

11. $y = \frac{1}{2}x + 6$

12. $y = 3 - 2x$

13. $-3x + 6y = 18$

14. $4x + 4y = -16$

15. $5x - 10y = -40$

Graph the line that has the given intercepts.

16. x -intercept: 2
 y -intercept: 2

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

18. x -intercept: -3
 y -intercept: 5

19. x -intercept: -4
 y -intercept: -5

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

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

Find the x -intercept and the y -intercept of the line. Graph the equation. Label the points where the line crosses the axes.

22. $y = x + 3$

23. $y = x - 4$

24. $y = 1 + x$

25. $y = 2 - x$

26. $y = 2x - 4$

27. $y = 3x + 5$

28. $-3x + 5y = 15$

29. $-4x + 2y = -4$

30. $7x - 5y = 35$

Lesson 4.3

Ticket Sales Use the following information.

You sold tickets to the school play. Advanced tickets were \$4. Tickets bought at the door were \$5. Total ticket sales were \$400. Let x represent the number of advanced tickets sold and y represent the number of tickets sold at the door.

31. Graph the linear function $4x + 5y = 400$.

32. Label the x -intercept and the y -intercept. What does each represent in the situation?

Club Membership Use the following information.

The Spanish Club is open to juniors and seniors. There are now 18 members in the club. Let x represent the number of junior members and y represent the number of senior members.

33. Graph the linear function $x + y = 18$.

34. Label the x -intercept and the y -intercept. What does each represent in the situation?