

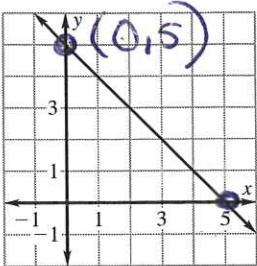
LESSON
3.3

Practice A

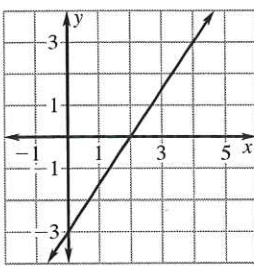
For use with the lesson "Graph Using Intercepts"

Identify the x -intercept and the y -intercept of the graph.

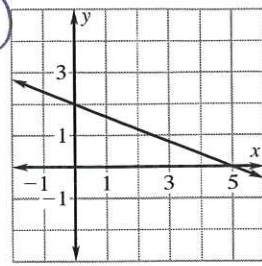
1.



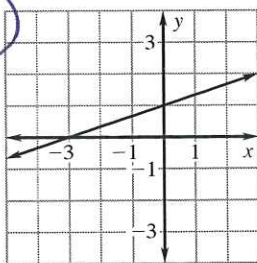
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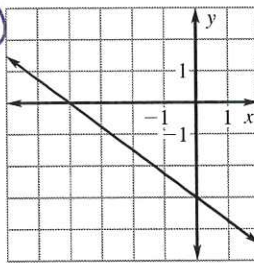
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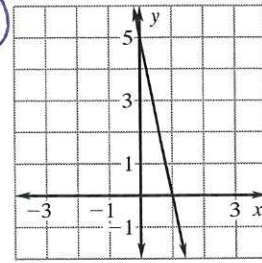
4.



5.



6.



$y=0$

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

7. $x + y = 9$

8.

$x - y = 4$

9. $x - y = -1$

10. $3x + y = 15$

11. $4y - x = 18$

12. $2x + 5y = 14$

13. $2x + 3y = 12$

14. $3y - 7x = 35$

15. $9x - 4y = 10$

$x=0$

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

16. $x + y = -7$

17. $x - y = 11$

18. $y - x = 2$

19. $x + 4y = 24$

20. $6x - y = 7$

21. $5x + 2y = 16$

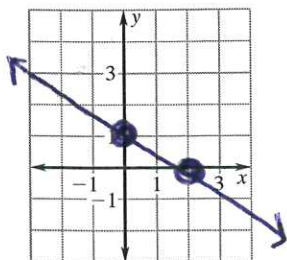
22. $4x + 5y = 20$

23. $9y - 8x = 27$

24. $3x - 5y = 15$

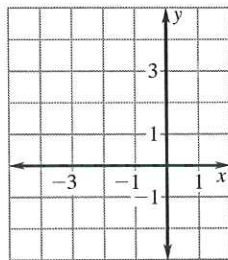
Draw the line that has the given intercepts.

25. x -intercept: 2 (2,0)
 y -intercept: 1 (0,1)

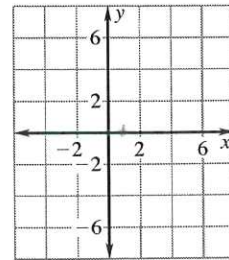


26.

x -intercept: -4
 y -intercept: 3



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



LESSON
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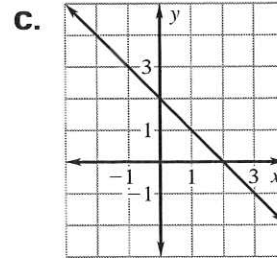
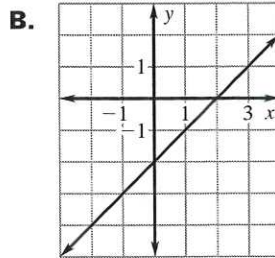
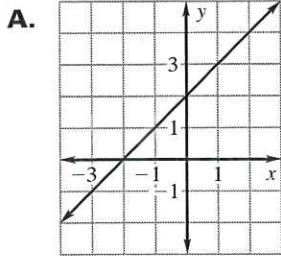
Practice A *continued*
For use with the lesson "Graph Using Intercepts"

Match the equation with its graph.

28. $x + y = 2$

29. $x - y = 2$

30. $y - x = 2$

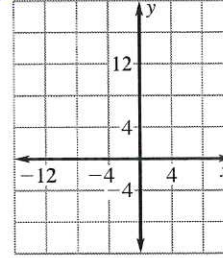
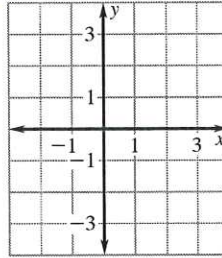
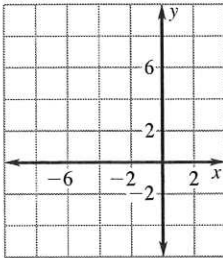


Graph the equation. Label the points where the line crosses the axes.

31. $y = x + 6$

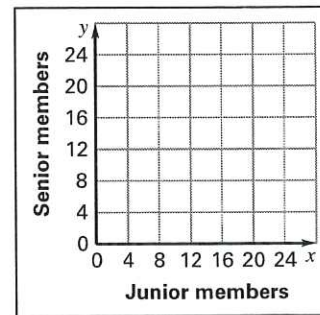
32. $y = x - 3$

33. $y = 2x + 8$



★ **34. Club Membership** The computer club at your school is open to juniors and seniors. There are now 24 members in the club. Let x be the number of junior members and let y be the number of senior members.

- Write an equation for the total number of members in the club.
- Find the intercepts of the equation.
- Graph the equation.



35. Ticket Sales You sold tickets to the school play. Advance tickets were \$6. Tickets sold at the door were \$8. Total ticket sales were \$480. This situation can be represented by the equation $6x + 8y = 480$ where x is the number of advance tickets sold and y is the number of tickets sold at the door.

- Find the intercepts of the graph of the equation.
- Graph the equation.
- If 52 advance tickets were sold, how many tickets were sold at the door?

