1.
$$10x - 7 = 4x + 5$$

A.
$$6x - 7 = 5$$

B.
$$6x = 12$$

C.
$$x = 2$$

4.
$$6(x+3) = 5x + 8$$

A.
$$6x + 18 = 5x + 8$$

B.
$$x + 18 = 8$$

C.
$$x = -10$$

2.
$$3x + 6 = -2x + 11$$

A.
$$5x + 6 = 11$$

B.
$$5x = 5$$

C.
$$x = 1$$

5.
$$4(x-2) = 7x + 1$$

A.
$$4x - 8 = 7x + 1$$

B.
$$-8 = 3x + 1$$

c.
$$-9 = 3x$$

D.
$$-3 = x$$

3.
$$6(3x - 4) = 12$$

A.
$$18x - 24 = 12$$

B.
$$18x = 36$$

C.
$$x = 2$$

6.
$$2x + 2 = 4(x - 5)$$

A.
$$2x + 2 = 4x - 20$$

B.
$$2 = 2x - 20$$

c.
$$22 = 2x$$

D.
$$11 = x$$

7.
$$6p - 3 = 4p - 1$$

8.
$$10a - 2 = 7a + 4$$

9.
$$5(m+2)=20$$

Solve the equation, if possible.

10.
$$9x - 2 = 8x + 7$$

11.
$$5n - 3 = 3n + 1$$

12.
$$4z - 5 = 8z + 3$$

13.
$$-a + 4 = a + 6$$

13.
$$-a + 4 = a + 6$$
 14. $w + 8 = w - 3$

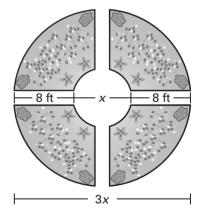
15.
$$2(y-3) = y+4$$

16.
$$3(m+2) = 8 + m$$

17.
$$6 + x = 6(x - 5)$$

18.
$$7(b+3) = 7b-4$$

19. Dimensions of a Circular Flower Garden A flower garden has the shape shown. The diameter of the outer circle is three times the diameter of the inner circle. The lengths of the walkways are 8 feet long. What is the diameter of the inner circle?



20. Distance-Rate-Time Two cars travel the same distance. The first car travels at a rate of 50 miles per hour and reaches its destination in t hours. The second car travels at a rate of 60 miles per hour and reaches its destination 1 hour earlier than the first car. How long does it take for the first car to reach its destination?

Rate of car 1