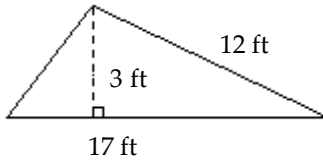


Name _____

Use a formula for perimeter or area to solve the problem.

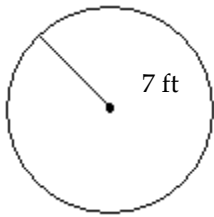
1)



Find the area of the triangle.

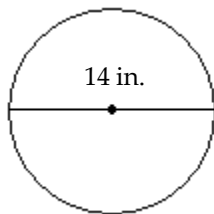
Use the formula for the area or circumference of a circle to solve the problem. Where applicable, express answers in terms of π .

2)



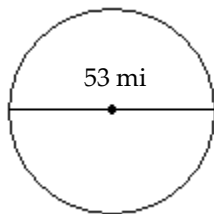
Find the area of the circle.

3)



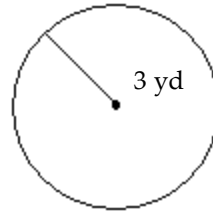
Give the exact circumference.

4)



Give the exact circumference.

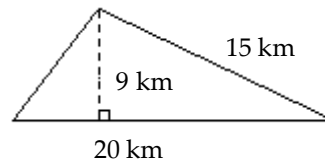
5)



Find the area of the circle.

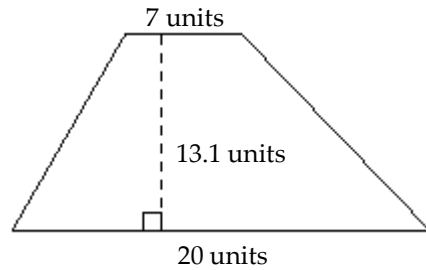
Use a formula for perimeter or area to solve the problem.

6)



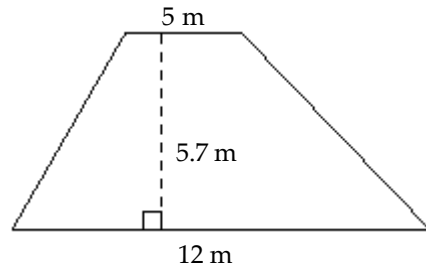
Find the area of the triangle.

7)



Find the area of the trapezoid.

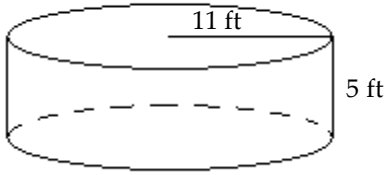
8)



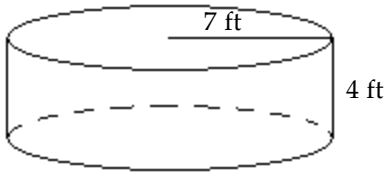
Find the area of the trapezoid.

Find the volume of the figure. Where applicable, express answers in terms of π .

9)



10)



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

11) $(-2, -4)$

$$3x + 2y = -14$$

12) $(-5, -4)$

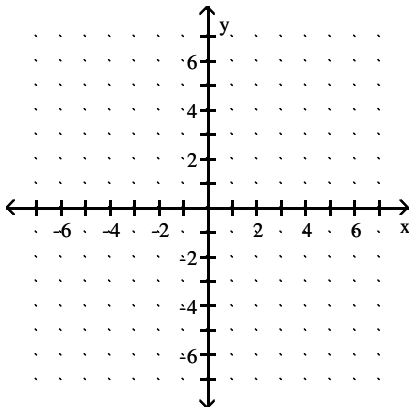
$$2x + 4y = -26$$

13) $(-2, -6)$

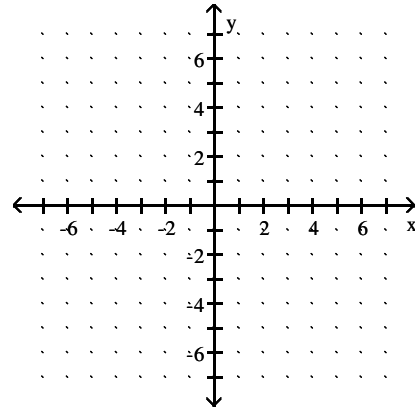
$$3x + 4y = -30$$

Graph the linear equation in two variables.

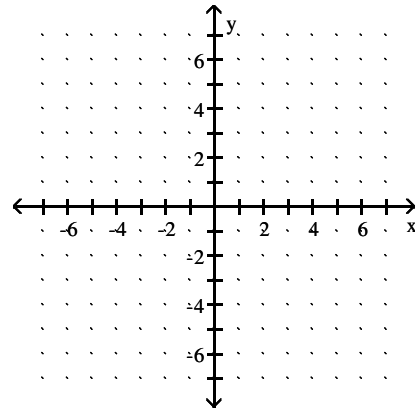
14) $y = -5x$



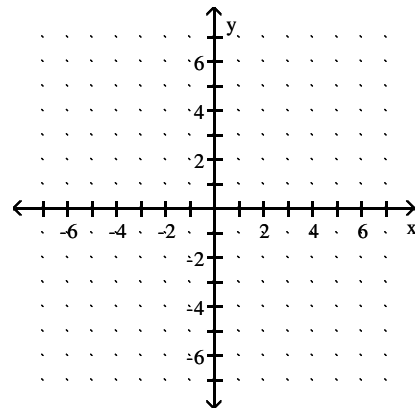
15) $y = x - 4$



16) $y = x + 6$

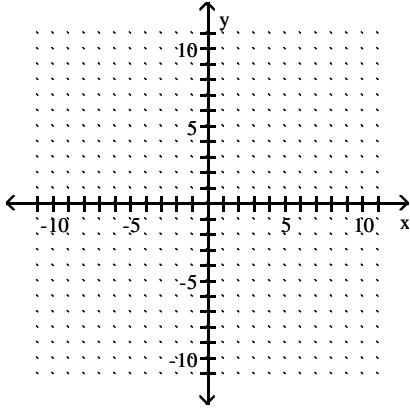


17) $y = -2x$

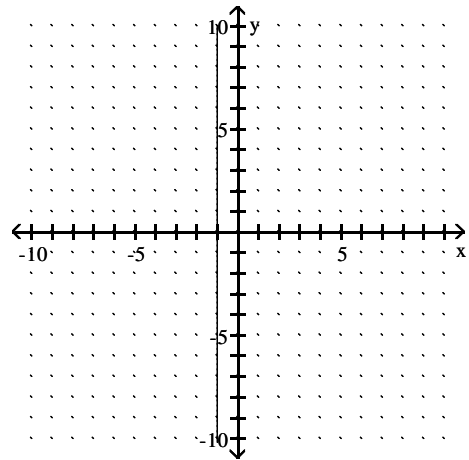


Graph the equation.

18) $y = -4$

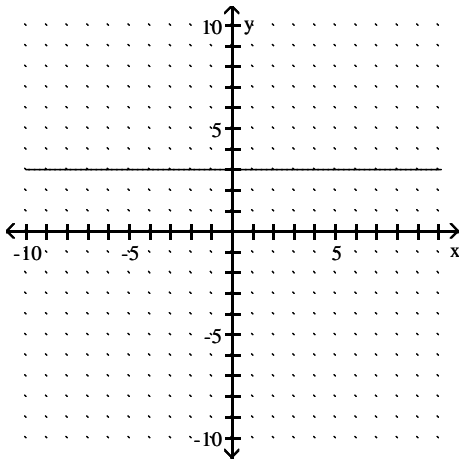


21)

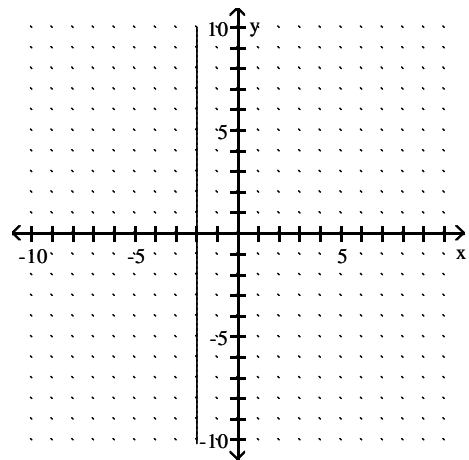


Write an equation for the graph.

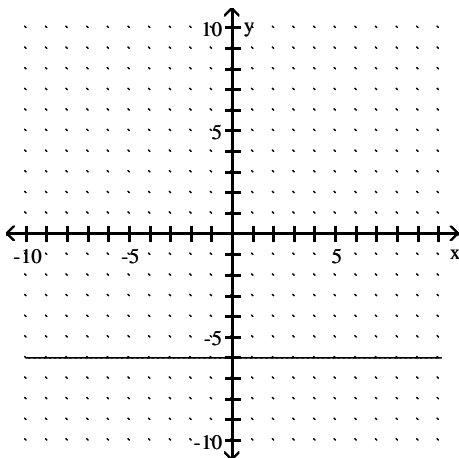
19)



22)

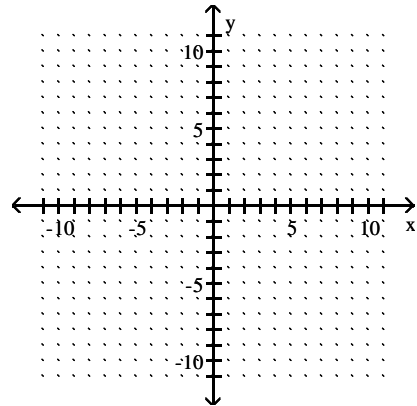


20)



Graph the equation.

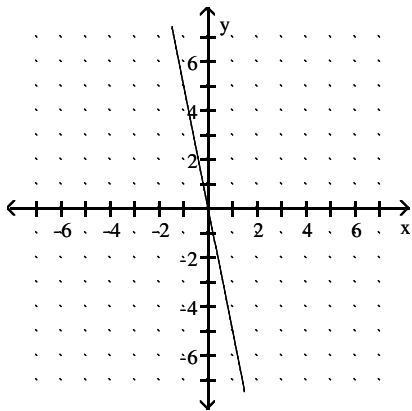
23) $-12 - 6x = 0$



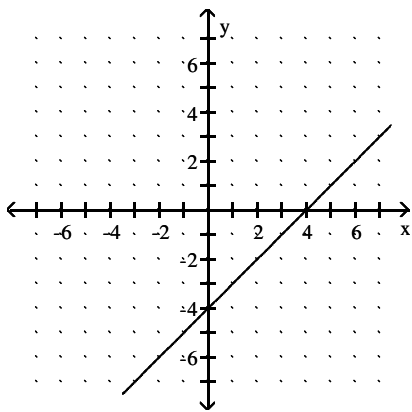
Answer Key

Testname: Q06PREP_3.3_4.1_4.2V01

- 1) 25.5 ft^2
- 2) $49\pi \text{ ft}^2$
- 3) $14\pi \text{ in.}$
- 4) $53\pi \text{ mi}$
- 5) $9\pi \text{ yd}^2$
- 6) 90 km^2
- 7) 176.85 units^2
- 8) 48.45 m^2
- 9) $605\pi \text{ ft}^3$
- 10) $196\pi \text{ ft}^3$
- 11) Yes
- 12) Yes
- 13) Yes
- 14)



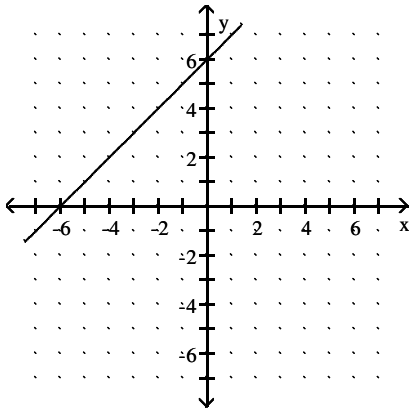
15)



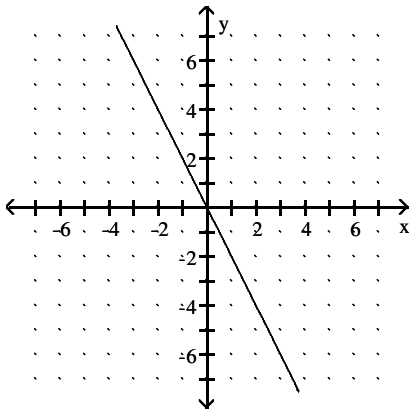
Answer Key

Testname: Q06PREP_3.3_4.1_4.2V01

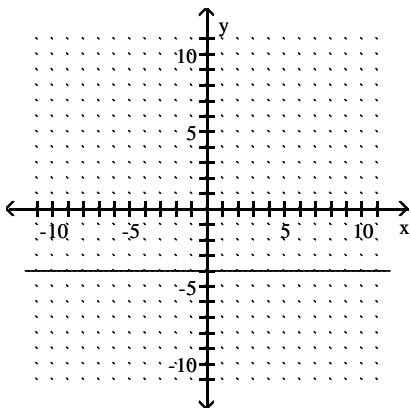
16)



17)



18)



19) $y = 3$

20) $y = -6$

21) $x = -1$

22) $x = -2$

Answer Key

Testname: Q06PREP_3.3_4.1_4.2V01

23)

