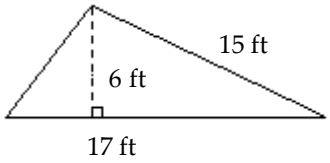
Math 084 W2010 Quiz 6 Sections 3.3 4.1 4.22 v02
Dressler

Name_____

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

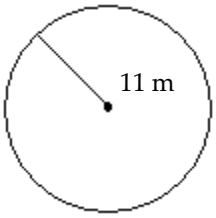
1)



Find the area of the triangle.

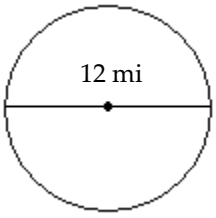
Use the formula for the area or circumference of a circle to solve the problem. Where applicable, express answers in terms of π.

2)



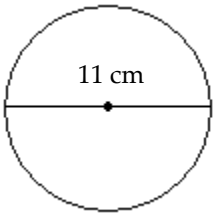
Find the area of the circle.

3)



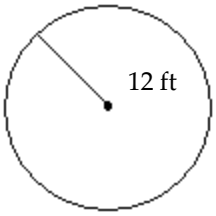
Give the exact circumference.

4)



Give the exact circumference.

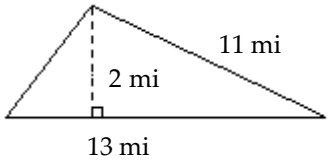
5)



Find the area of the circle.

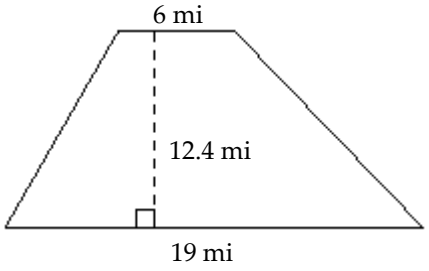
Use a formula for perimeter or area to solve the problem.

6)



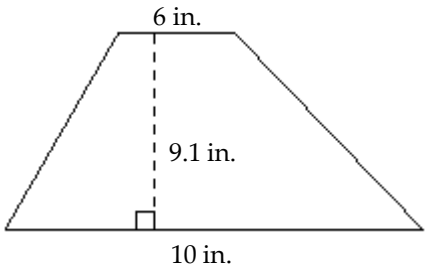
Find the area of the triangle.

7)



Find the area of the trapezoid.

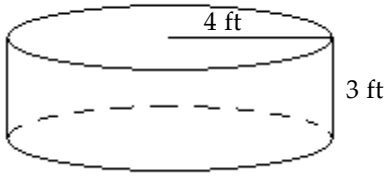
8)



Find the area of the trapezoid.

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

9)



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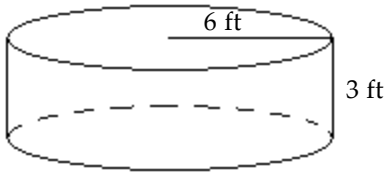


Determine whether the ordered pair is a solution of the given equation.

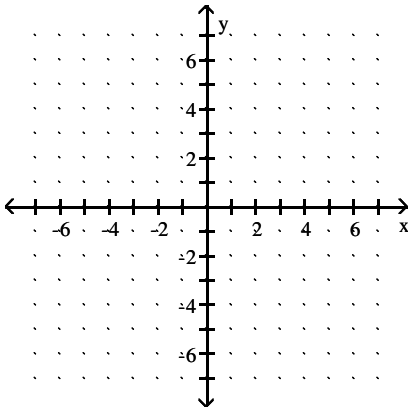
11) (6, –1)
$2x + 4y = 8$

12) (–2, 1)
$3x + 4y = -2$

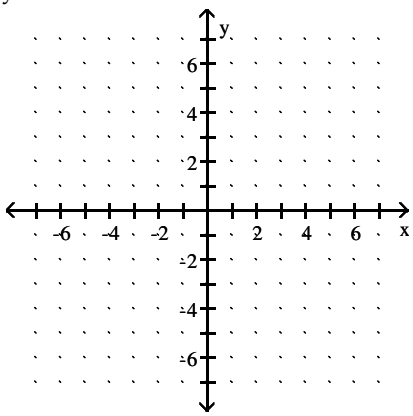
13) (6, 2)
$3x + 2y = 22$

Graph the linear equation in two variables.

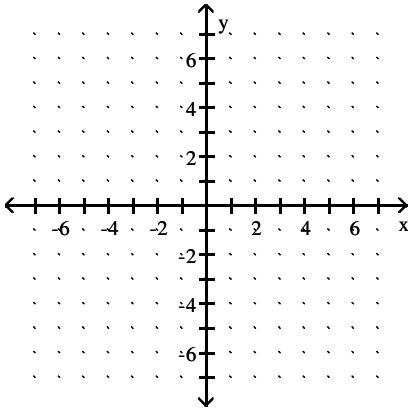
14) $y = -3x$



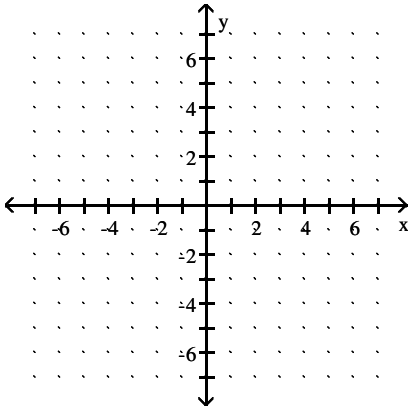
15) $y = x - 6$



16) $y = x - 4$

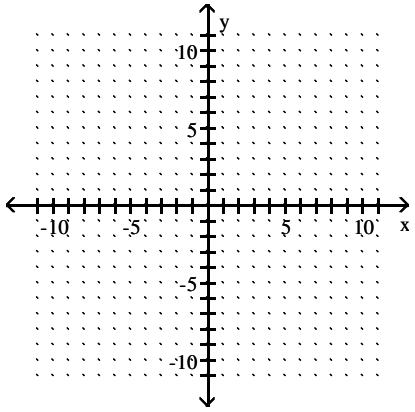


17) $y = -6x$



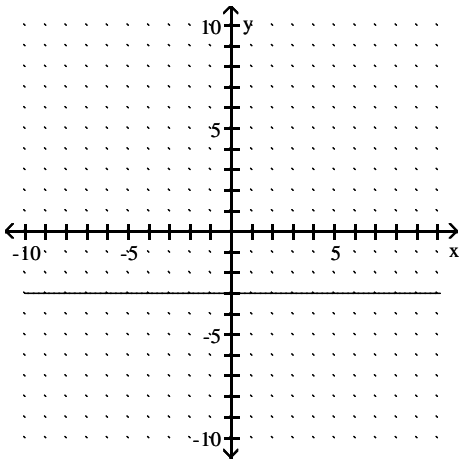
Graph the equation.

18) $y = 2$

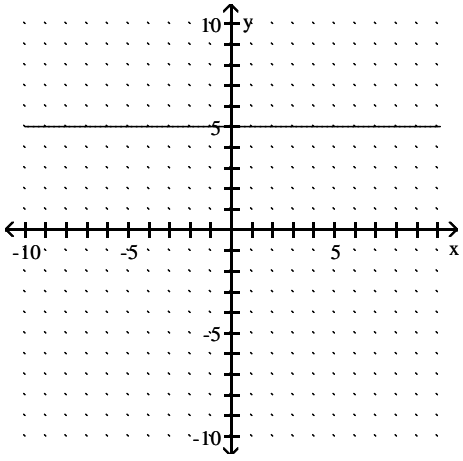


Write an equation for the graph.

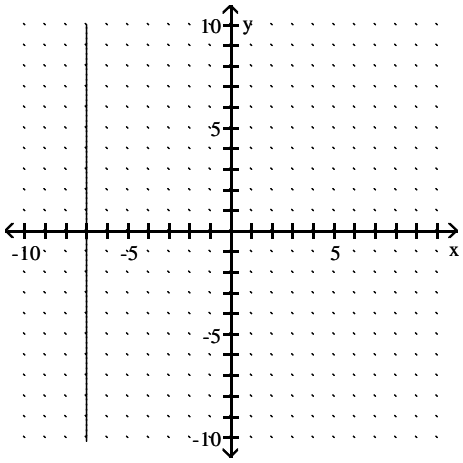
19)



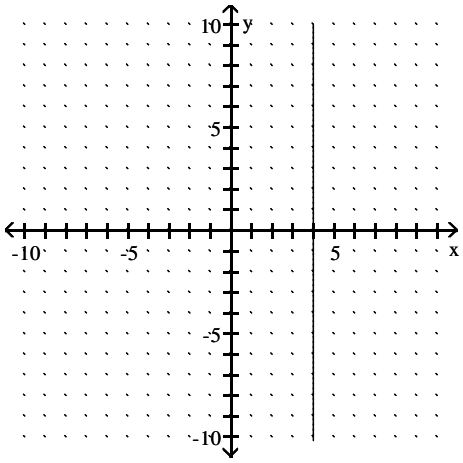
20)



21)

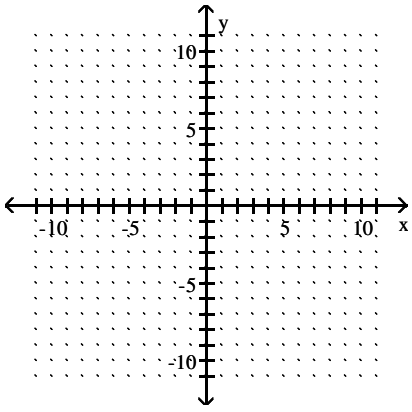


22)

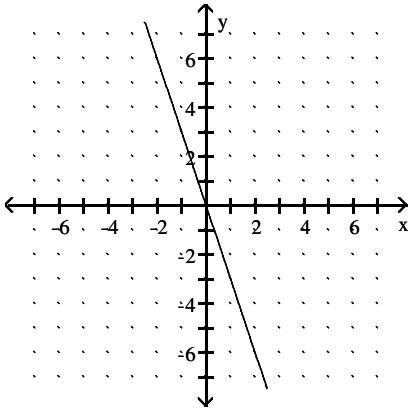


Graph the equation.

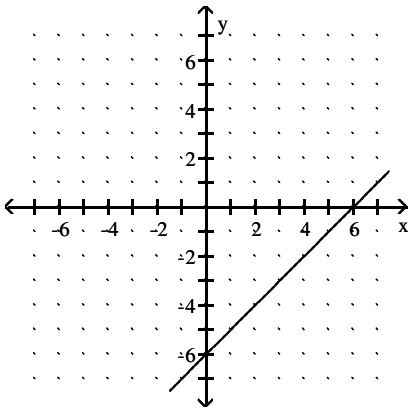
23) $-48 - 12x = 0$



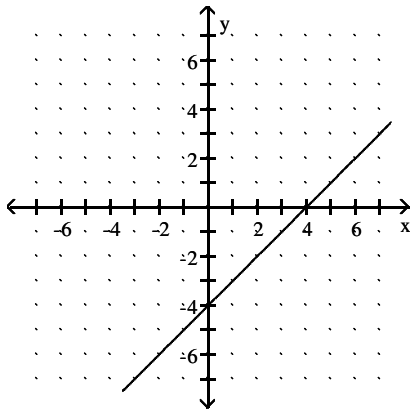
1) 51 ft^2
2) 121π m^2
3) 12π mi
4) 11π cm
5) 144π ft^2
6) 13 mi^2
7) 155 mi^2
8) 72.8 $in.^2$
9) 48π ft^3
10) 108π ft^3
11) Yes
12) Yes
13) Yes
14)



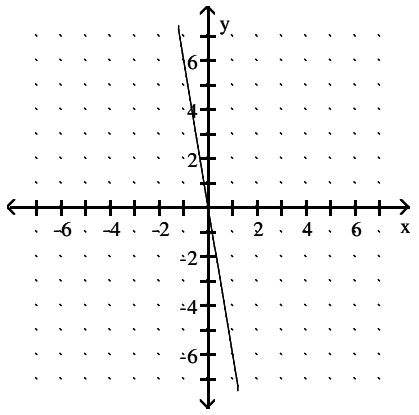
15)



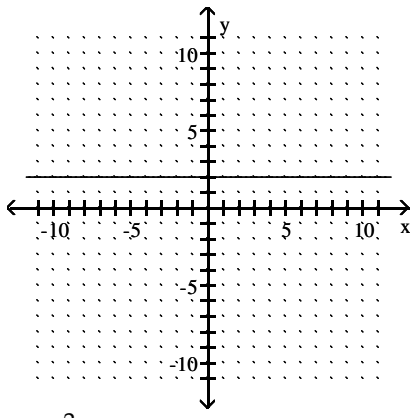
16)



17)



18)



19) $y = -3$
20) $y = 5$
21) $x = -7$
22) $x = 4$

23)