

Find the x and y -intercepts of the graph of the equation. REMEMBER to write it as a point.

1) $y = -5x - 20$

x -intercept: _____

y -intercept: _____

2) $7x - 4y = 28$

x -intercept: _____

y -intercept: _____

3) $-2y - 16 = x$

x -intercept: _____

y -intercept: _____

4) $4x + y = 0$

x -intercept: _____

y -intercept: _____

5) $y = -2x - 6$

x -intercept: _____

y -intercept: _____

6) $24x - 36y = 6$

x -intercept: _____

y -intercept: _____

7) $y = -3x - 12$

x -intercept: _____

y -intercept: _____

8) $-22 = -2y + 11x$

x -intercept: _____

y -intercept: _____

9) $9x - 2y = 36$

x -intercept: _____

y -intercept: _____

10) $x + 11 = 11y$

x -intercept: _____

y -intercept: _____

11) $5x = 30$

x -intercept: _____

y -intercept: _____

12) $y = 0$

x -intercept: _____

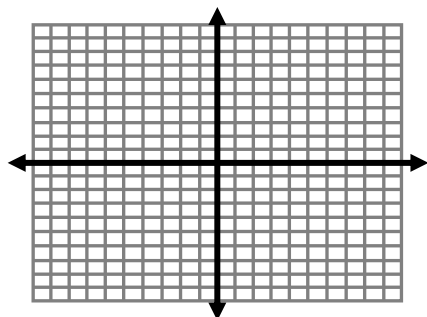
y -intercept: _____

Graph the equation using the intercepts only.

13) $y = x - 2$

x -intercept: _____

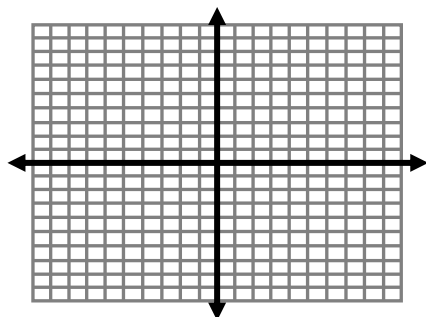
y -intercept: _____



14) $y = 10x + 5$

x -intercept: _____

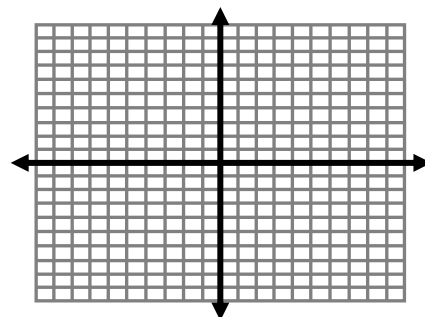
y -intercept: _____



15) $y = -4x + 3$

x -intercept: _____

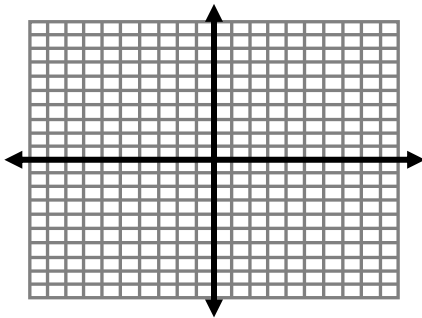
y -intercept: _____



16) $x - 4y = 18$

x-intercept: _____

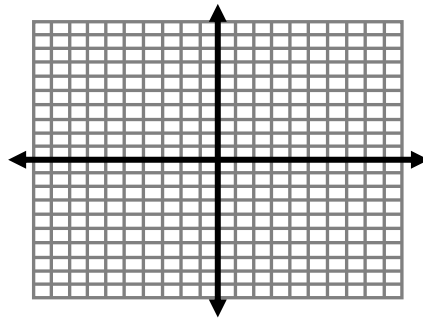
y-intercept: _____



17) $-2x + 5y = 15$

x-intercept: _____

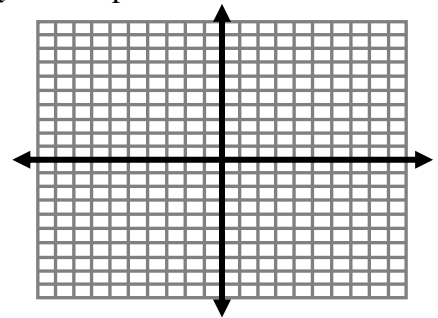
y-intercept: _____



18) $y = \frac{1}{2}x + \frac{1}{4}$

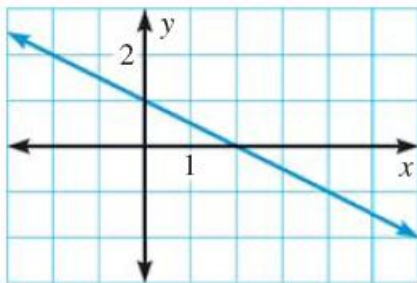
x-intercept: _____

y-intercept: _____



Find the x and y-intercepts of the graph of the equation. REMEMBER to write it as a point.

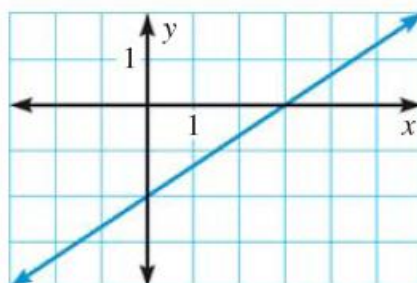
19)



x-intercept: _____

y-intercept: _____

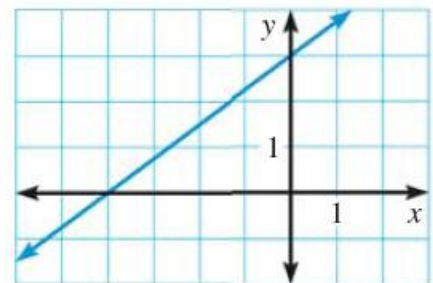
20)



x-intercept: _____

y-intercept: _____

21)



x-intercept: _____

y-intercept: _____

Solve.

22) In one city, small bottles have a refund value of \$0.04 each and large bottles have a refund value of \$0.08 each. Your friend returns both small and large bottles and receives \$0.56. This situation is given by $4x + 8y = 56$ where x is the number of small bottles and y is the number of large bottles.

Find the intercepts of the graph of the equation. Then, graph the equation and provide at least three possibilities each size bottle your friend could have returned.

