

Solve the equation.

1) $\frac{r}{2} = 7$

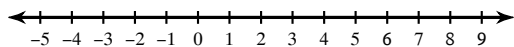
2) $8 + v - 5v = 12$

3) $8n + 4(n - 8) = -128$

4) $|b + 3| - 4 = 2$

Solve the inequality and graph its solution.

5) $8n + 2 < -6$ or $-6 + 2n \geq 2$



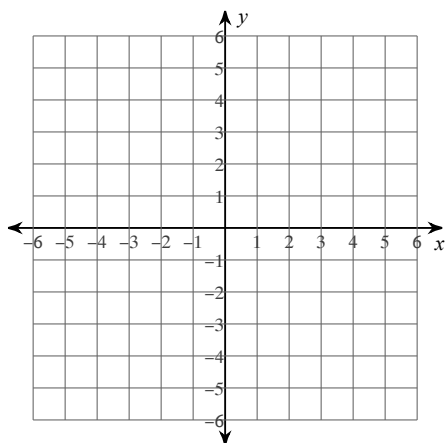
Solve as directed.

6) Evaluate $f(x) = 11x + 3$ when $x = 8$

7) For $f(x) = 7x - 2$, find the value of x for which $f(x) = 54$

Sketch the graph of the linear function using the given intercepts.

8) x -intercept = -2 , y -intercept = 2

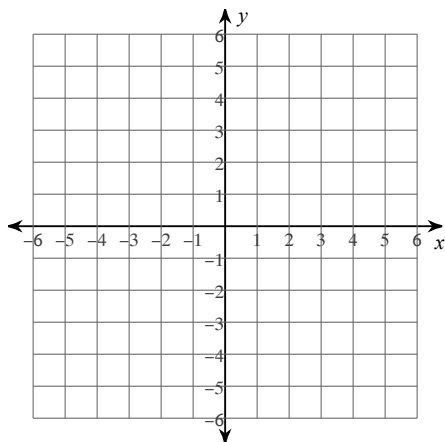


Find the x and y intercepts of the given function.

9) $5x - 6y = 20$

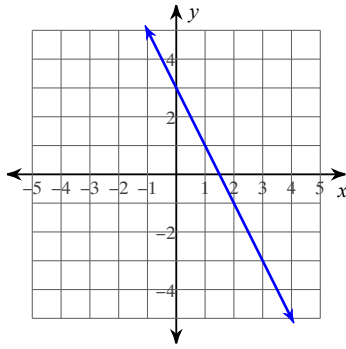
Sketch the graph of the line.

10) $y = \frac{2}{3}x - 1$



Write the slope-intercept form of the equation of the line.

11)



Write the point-slope form of the equation of the line through the given point with the given slope.

12) through: $(5, 1)$, slope $= -\frac{1}{8}$

Write the point-slope form of the equation of the line through the given points.

13) through: $(4, 3)$ and $(-2, -5)$

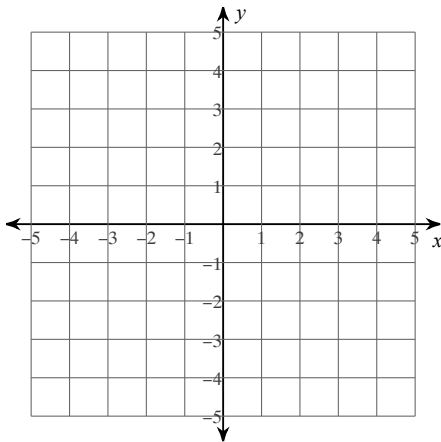
Write an equation of the line...

14) through: $(-3, 5)$, parallel to $y = -\frac{1}{3}x$

Solve each system by graphing.

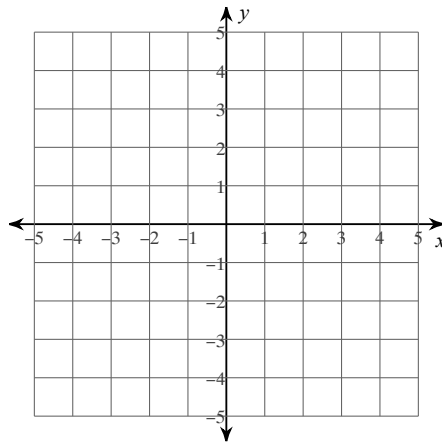
15) $y = \frac{5}{2}x - 4$

$$y = -\frac{3}{2}x + 4$$



16) $y = -\frac{1}{4}x + 1$

$$y = -\frac{5}{4}x - 3$$



Solve each system by substitution.

17) $y = 2x - 8$
 $-6x + 6y = -12$

18) $7x - 3y = 17$
 $x + y = 11$

Solve each system by elimination.

19) $-8x + 4y = -16$
 $8x + 5y = -2$

20) $-7x + 4y = -15$
 $4x - 12y = 28$