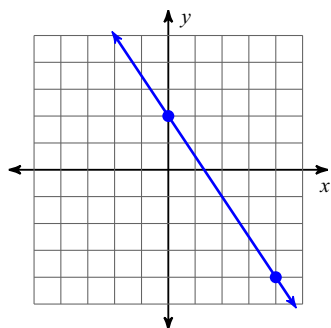


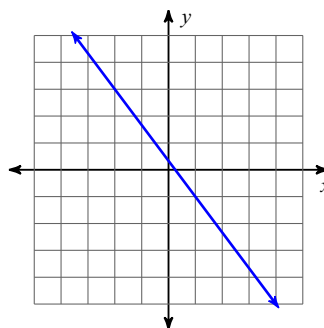
# Linear Functions Post-Break Refresher

**Find the slope of each line.**

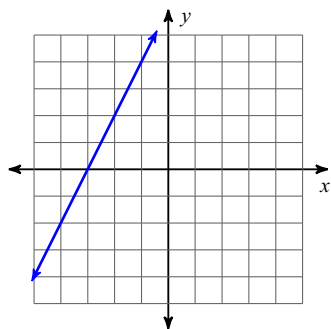
1)



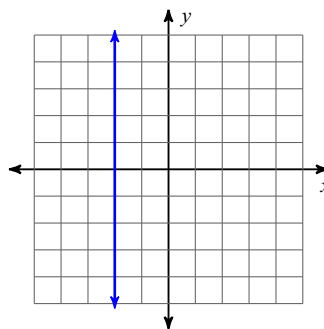
2)



3)



4)



**Find the slope of the line through each pair of points.**

5)  $(-4, 5), (-4, 2)$

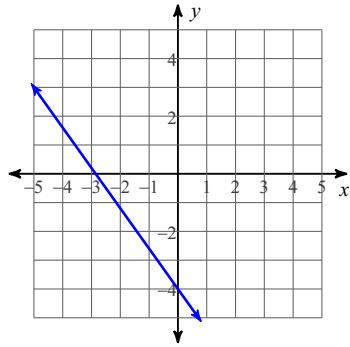
6)  $(13, -4), (2, -7)$

7)  $(14, -17), (17, -17)$

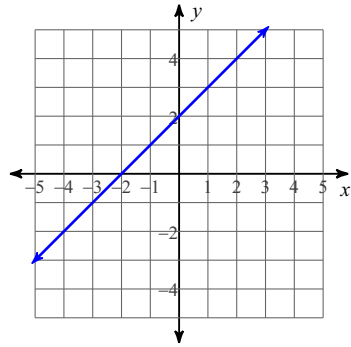
8)  $(-14, 3), (-12, -14)$

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

9)

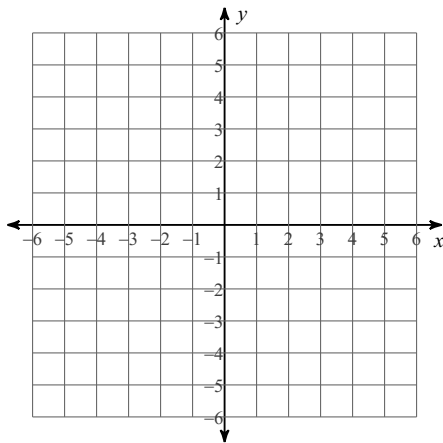


10)

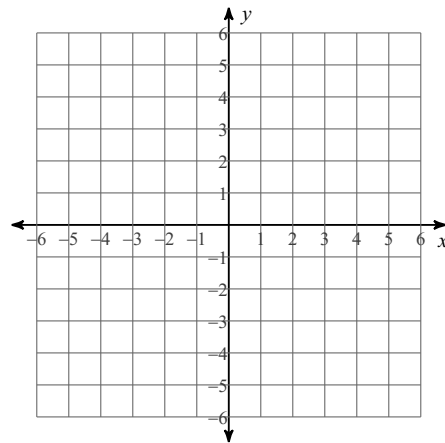


Sketch the graph of each line.

11)  $y = -\frac{3}{4}x - 1$



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



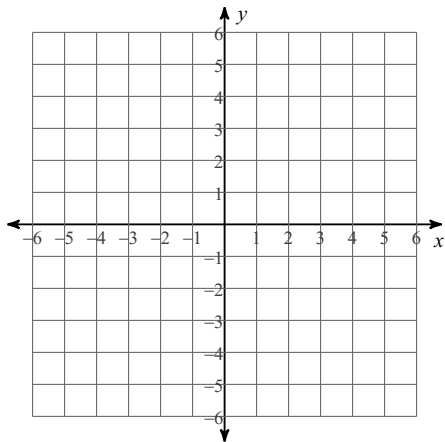
Write the slope-intercept form of the equation of each line.

13)  $9x + 4y = -24$

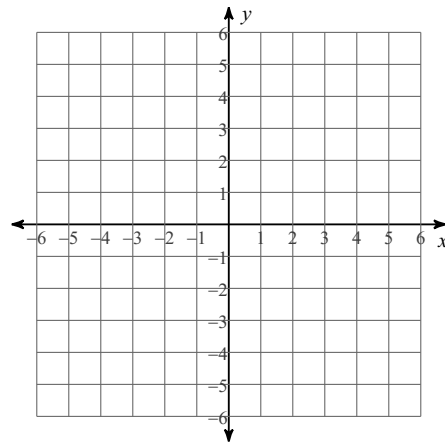
14)  $7x - 2y = -6$

Sketch the graph of each line.

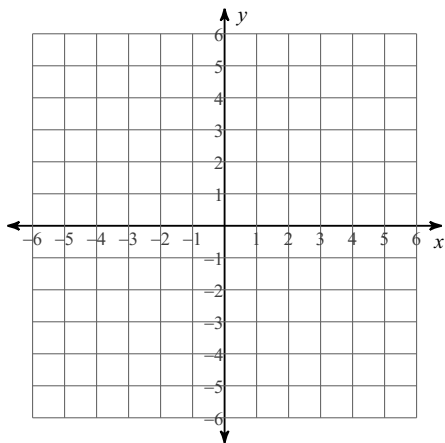
15)  $x - 4y = 16$



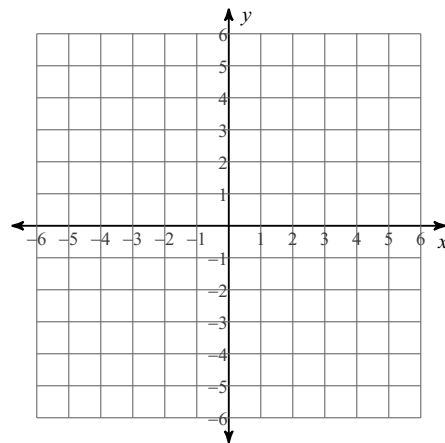
16)  $9x - 4y = 16$



17)  $x - 2y = 6$



18)  $y = 4$

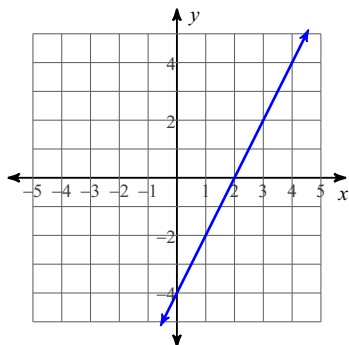


Write the standard form of the equation of each line.

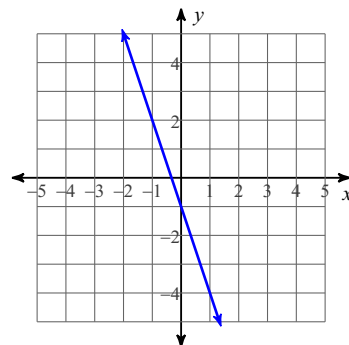
19)  $y = -\frac{7}{6}x - 1$

20)  $y = \frac{1}{5}x + 1$

21)

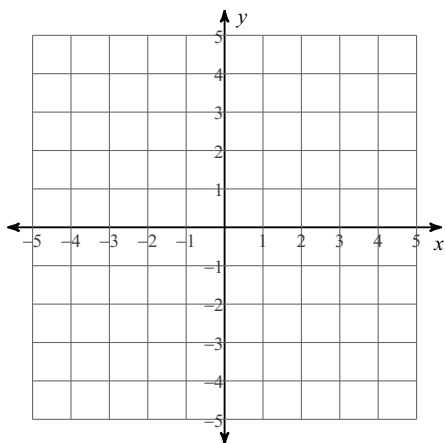


22)

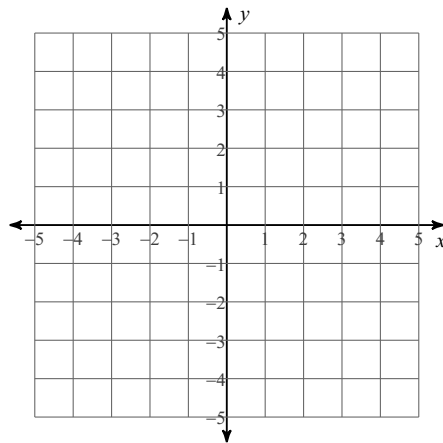


Solve each system by graphing.

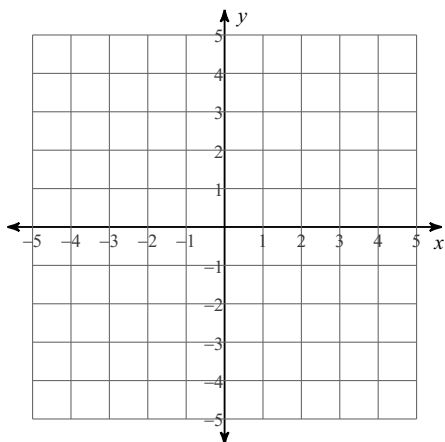
$$23) \quad y = -\frac{2}{3}x + 4$$
$$y = -\frac{2}{3}x - 3$$



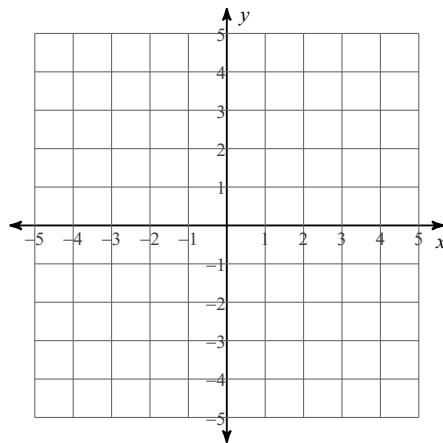
$$24) \quad x = -4$$
$$y = -\frac{3}{4}x - 1$$



$$25) \quad y = \frac{1}{3}x - 2$$
$$y = -\frac{1}{3}x - 4$$



$$26) \quad 5x - 3y = -3$$
$$x - 3y = 9$$



## Answers to Linear Functions Post-Break Refresher

1)  $-\frac{3}{2}$

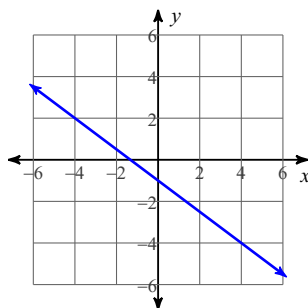
3) 2

5) Undefined

7) 0

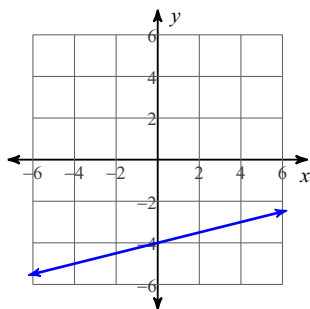
9)  $y = -\frac{7}{5}x - 4$

11)

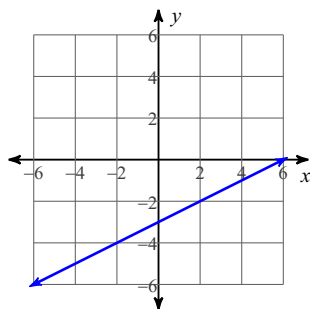


13)  $y = -\frac{9}{4}x - 6$

15)



17)



19)  $7x + 6y = -6$

21)  $2x - y = 4$

23) No solution

25)  $(-3, -3)$