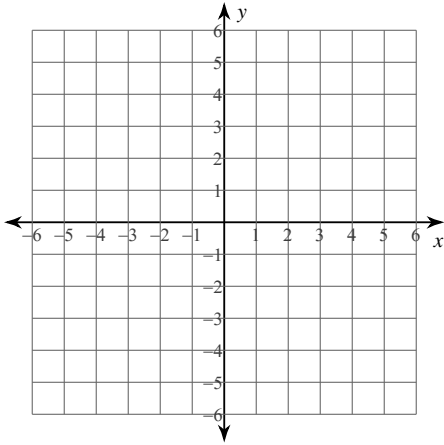


Review: Graphing and Writing Linear Equations

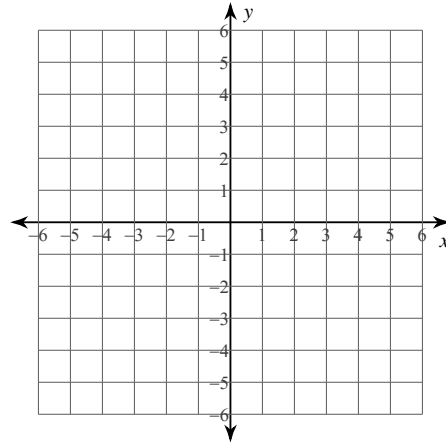
© 2013 Kuta Software LLC. All rights reserved.

Sketch the graph of each line.

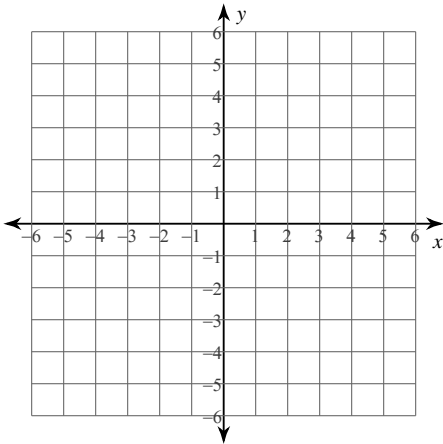
1) x -intercept = -2 , y -intercept = -4



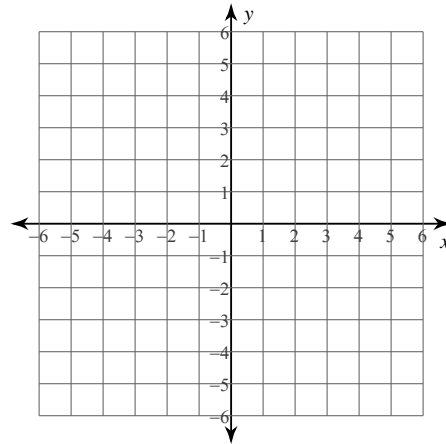
2) x -intercept = -5 , y -intercept = -5



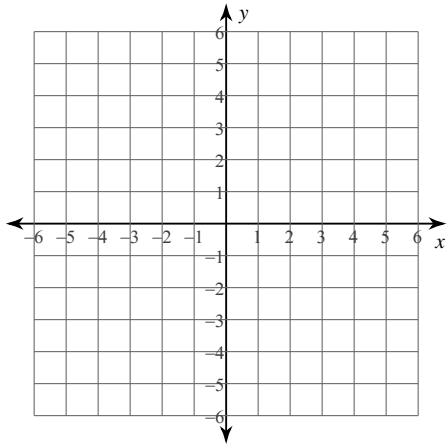
3) $x + 2y = -6$



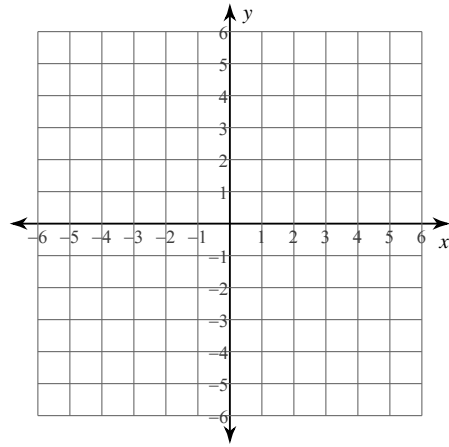
4) $y = -1$



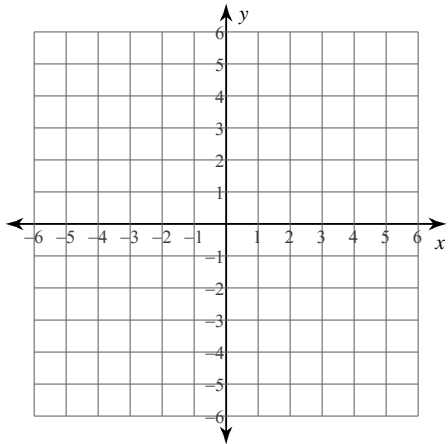
5) $y = 5x + 1$



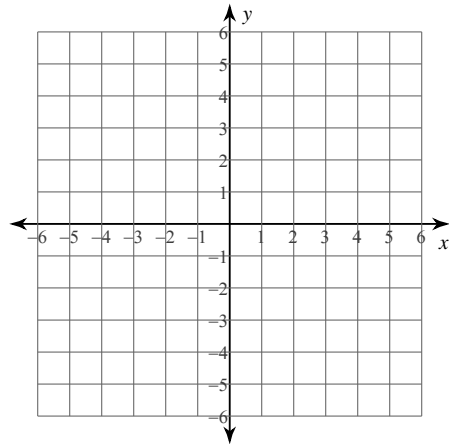
6) $y = -2x + 3$



7) $5y = 3x - 20$

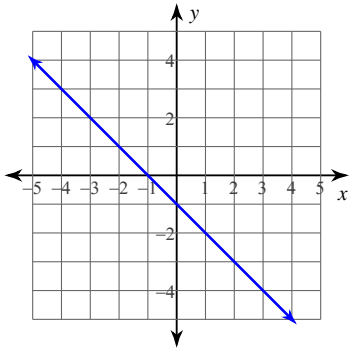


8) $-x = -1$

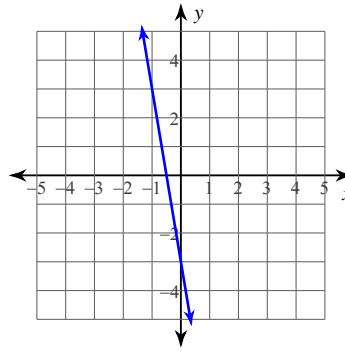


Write the slope-intercept form of the equation of each line.

9)

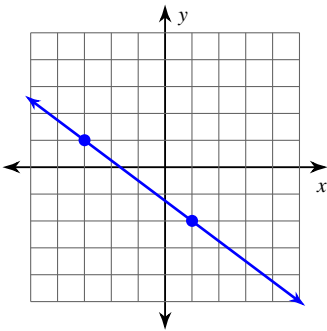


10)

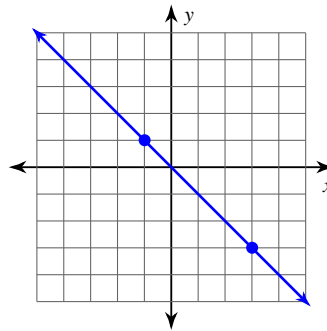


Find the slope of each line.

11)



12)



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

13) $(14, 20), (19, 4)$

14) $(-14, 0), (-13, -20)$

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

15) $x + 8 = -2y$

16) $-9 = -x - 3y$

17) $y + 2 = -\frac{1}{2}(x - 2)$

18) $y = \frac{2}{3}(x - 3)$

Write the slope-intercept form of the equation of each line given the slope and y-intercept.

19) Slope = $-\frac{5}{3}$, y-intercept = 4

20) Slope = 5, y-intercept = 5

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

21) through: $(-1, 3)$, slope = -2

22) through: $(2, -5)$, slope = -3

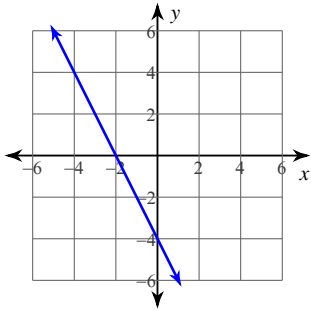
Write the slope-intercept form of the equation of the line through the given points.

23) through: $(-4, 3)$ and $(-2, 3)$

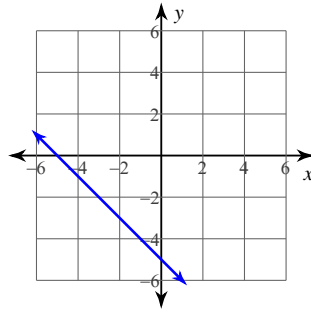
24) through: $(5, 3)$ and $(-5, -4)$

Answers to Review: Graphing and Writing Linear Equations (ID: 13)

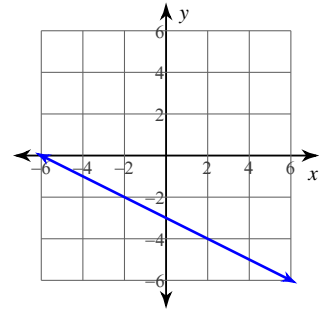
1)



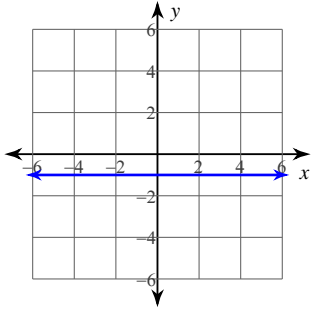
2)



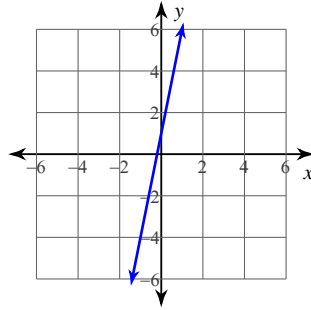
3)



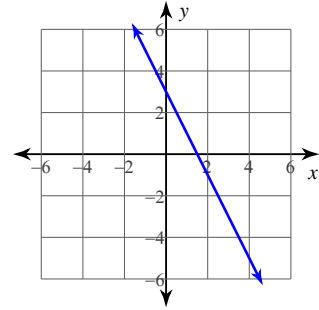
4)



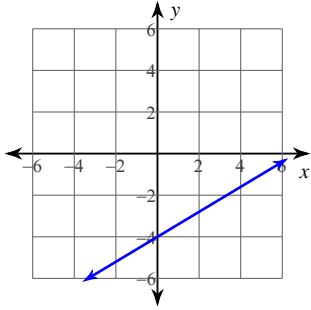
5)



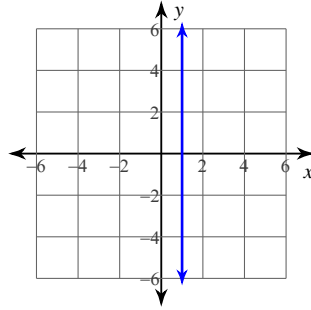
6)



7)



8)



9) $y = -x - 1$

10) $y = -6x - 3$

11) $-\frac{3}{4}$

12) -1

13) $-\frac{16}{5}$

14) -20

15) $y = -\frac{1}{2}x - 4$

16) $y = -\frac{1}{3}x + 3$

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

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

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

20) $y = 5x + 5$

21) $y - 3 = -2(x + 1)$

22) $y + 5 = -3(x - 2)$

23) $y = 3$

24) $y = \frac{7}{10}x - \frac{1}{2}$