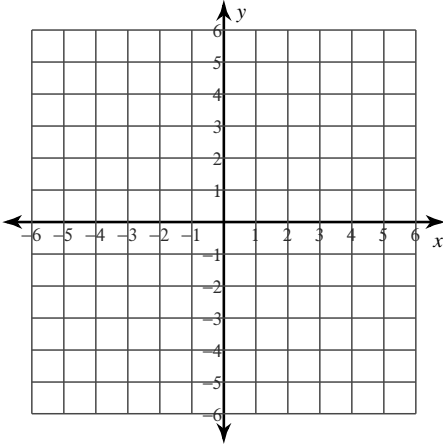


Linear Equations

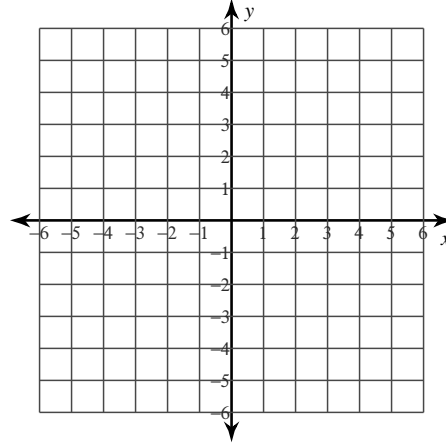
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Sketch the graph of each line.

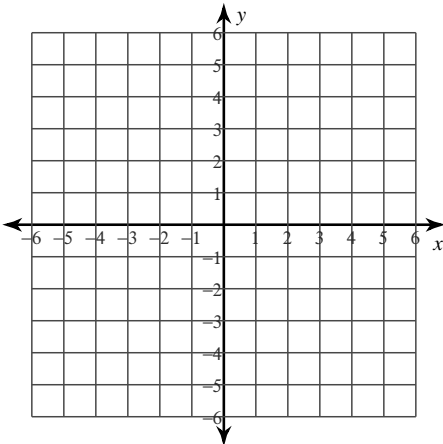
1) $y = 2x - 1$



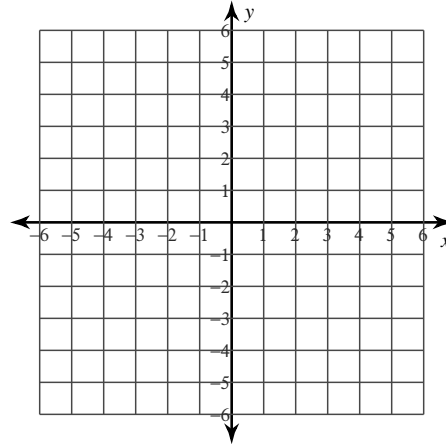
2) $y = -\frac{1}{2}x + 1$



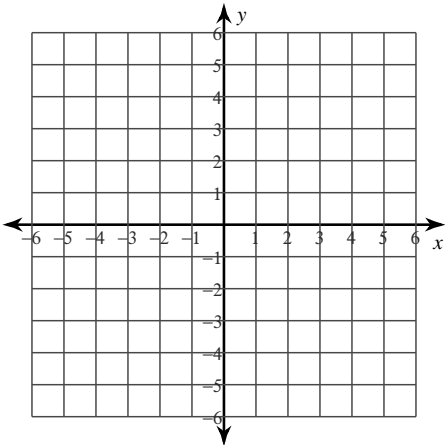
3) $y = \frac{1}{3}x + 2$



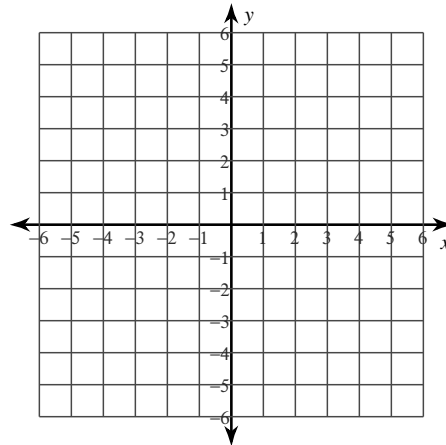
4) x -intercept = -3 , y -intercept = 5



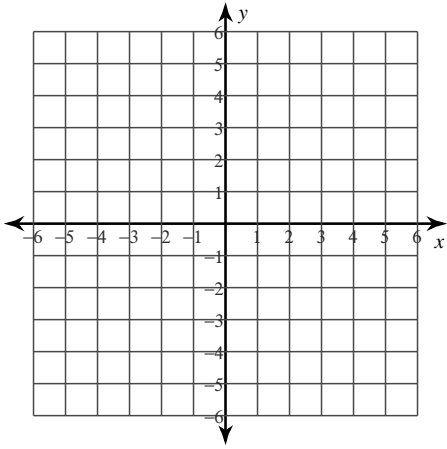
5) x -intercept = 5 , y -intercept = 4



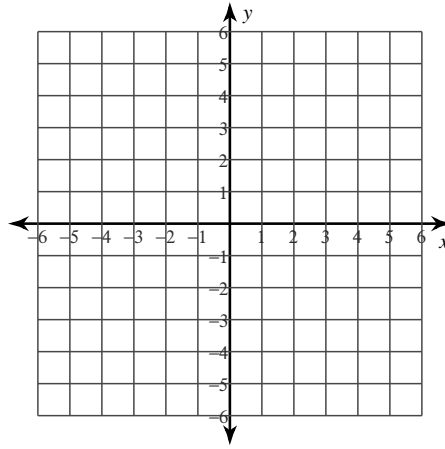
6) x -intercept = -3 , y -intercept = -5



7) $3x - y = -3$



8) $3x - 5y = 25$



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

9) Slope = $-\frac{5}{3}$, y-intercept = 0

10) Slope = 2, y-intercept = -4

11) Slope = $-\frac{3}{2}$, y-intercept = -3

12) Slope = $\frac{2}{3}$, y-intercept = 1

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

13) through: $(-5, 4)$ and $(1, 1)$

14) through: $(-4, 2)$ and $(2, -1)$

15) through: $(-1, 2)$ and $(-1, 3)$

16) through: $(2, -3)$ and $(3, 2)$

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

17) through: $(2, 3)$, slope = $-\frac{8}{3}$

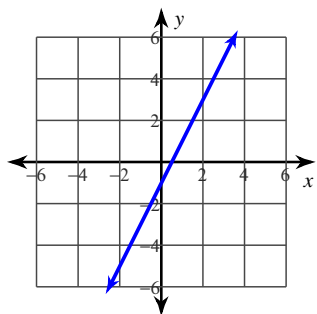
18) through: $(2, -5)$, slope = $-\frac{5}{2}$

19) through: $(1, -1)$, slope = -4

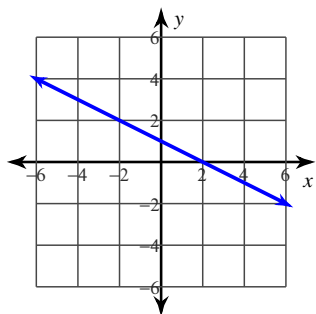
20) through: $(2, -2)$, slope = 7

Answers to Linear Equations (ID: 1)

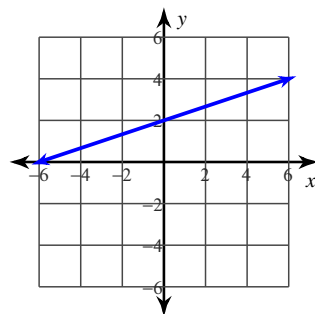
1)



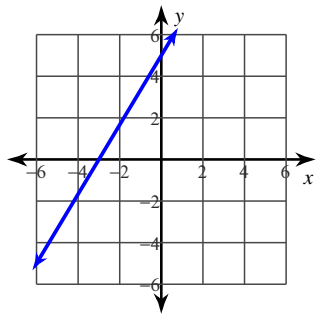
2)



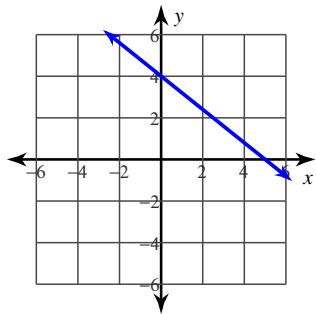
3)



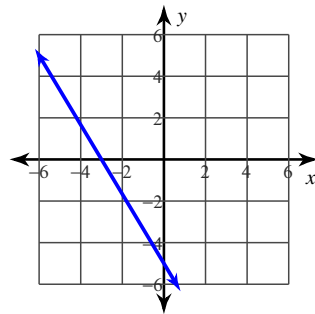
4)



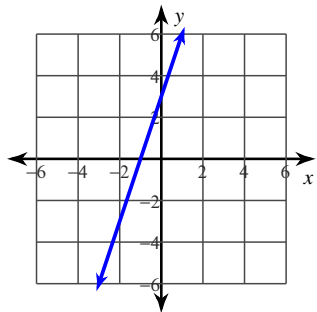
5)



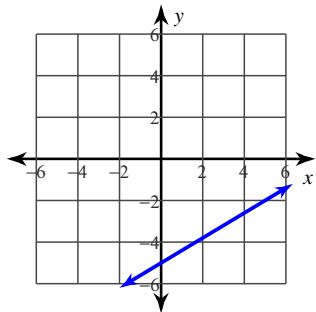
6)



7)



8)



9) $y = -\frac{5}{3}x$

10) $y = 2x - 4$

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

12) $y = \frac{2}{3}x + 1$

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

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

15) $x = -1$

16) $y = 5x - 13$

17) $y = -\frac{8}{3}x + \frac{25}{3}$

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

19) $y = -4x + 3$

20) $y = 7x - 16$