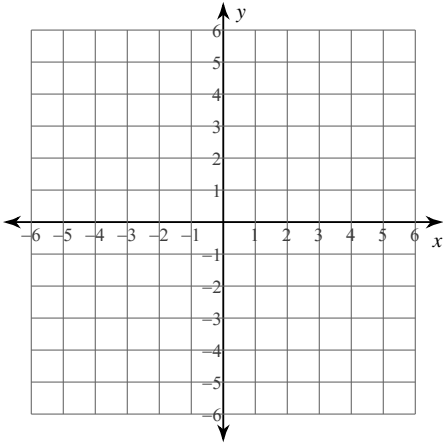


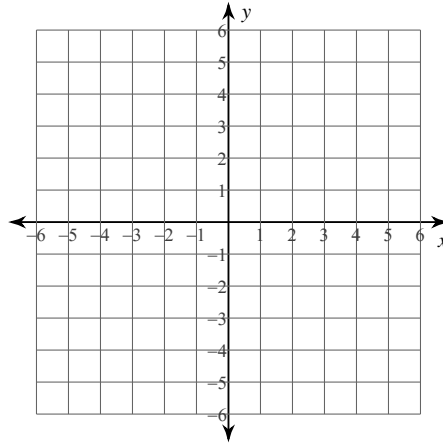
Review of Linear Equations

Sketch the graph of each line.

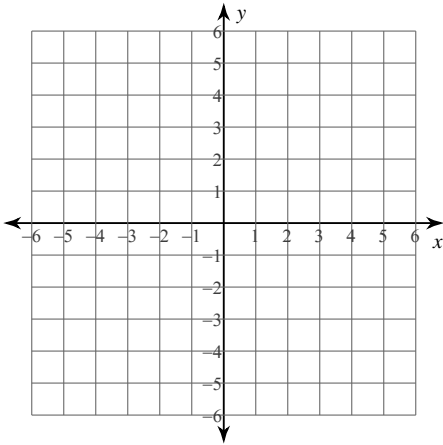
1) $y = -2x - 2$



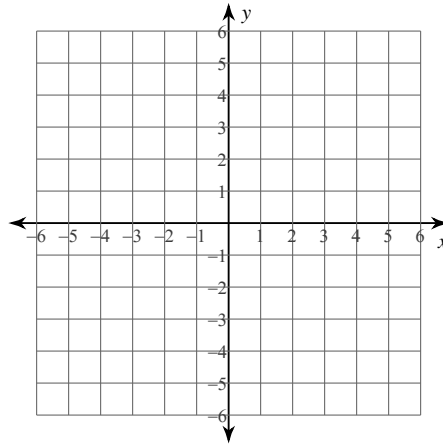
2) $y = -x - 2$



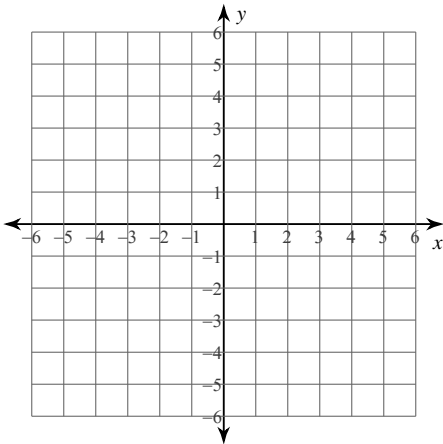
3) $2x - 5y = 5$



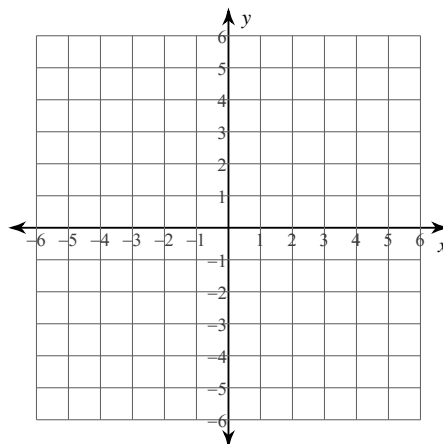
4) $x = -1$



5) $32 - 2x = 8y$



6) $0 = x + \frac{1}{4}y + \frac{1}{2}$



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

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

8) Slope = 9, y-intercept = 4

Write the standard form of the equation of each line.

9) $y = -\frac{7}{5}x + 1$

10) $y = \frac{3}{2}x + 5$

11) $y + 4 = -7(x - 1)$

12) $y + 1 = -(x + 3)$

13) $-10x - y = -5$

14) $-4 - 2y = -x$

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

15) through: (4, -2), slope = -1

16) through: (-2, 4), slope = $-\frac{1}{7}$

Write the standard form of the equation of the line through the given points.

17) through: (-3, 2) and (0, -1)

18) through: (0, 4) and (-1, -1)

Write the standard form of the equation of the line described.

19) through: (2, 0), parallel to $y = \frac{2}{3}x$

20) through: (-2, 4), parallel to $y = -\frac{3}{2}x + 3$

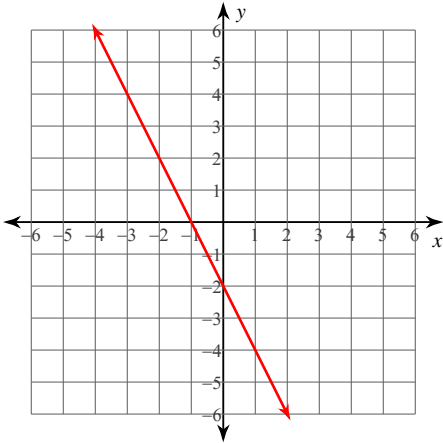
21) through: (2, 4), perp. to $y = -\frac{2}{7}x - 5$

22) through: (5, 0), perp. to $y = -x + 5$

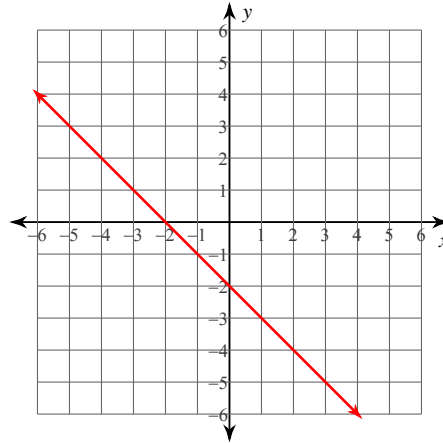
Review of Linear Equations

Sketch the graph of each line.

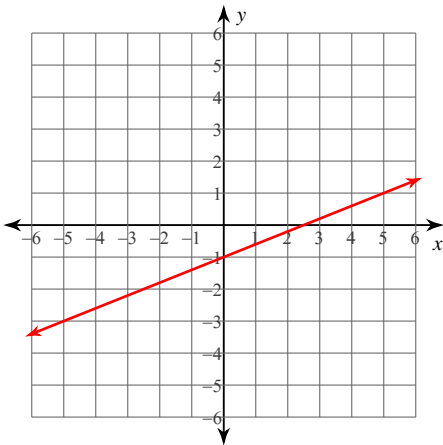
1) $y = -2x - 2$



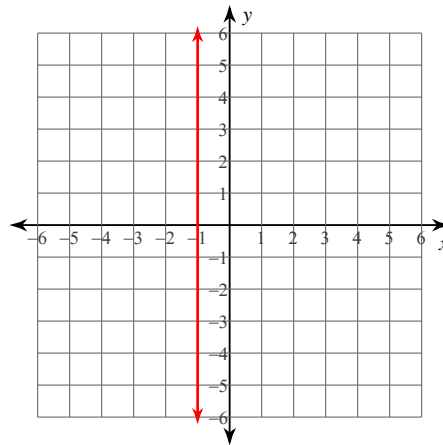
2) $y = -x - 2$



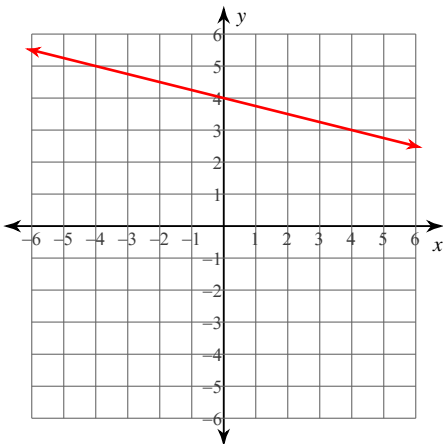
3) $2x - 5y = 5$



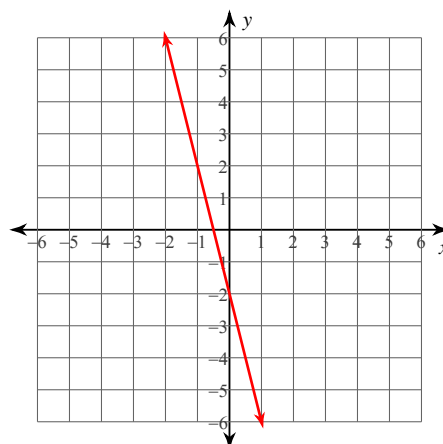
4) $x = -1$



5) $32 - 2x = 8y$



6) $0 = x + \frac{1}{4}y + \frac{1}{2}$



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

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

$$3x + 5y = 25$$

8) Slope = 9, y-intercept = 4

$$9x - y = -4$$

Write the standard form of the equation of each line.

9) $y = -\frac{7}{5}x + 1$

$$7x + 5y = 5$$

10) $y = \frac{3}{2}x + 5$

$$3x - 2y = -10$$

11) $y + 4 = -7(x - 1)$

$$7x + y = 3$$

12) $y + 1 = -(x + 3)$

$$x + y = -4$$

13) $-10x - y = -5$

$$10x + y = 5$$

14) $-4 - 2y = -x$

$$x - 2y = 4$$

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

15) through: (4, -2), slope = -1

$$x + y = 2$$

16) through: (-2, 4), slope = $-\frac{1}{7}$

$$x + 7y = 26$$

Write the standard form of the equation of the line through the given points.

17) through: (-3, 2) and (0, -1)

$$x + y = -1$$

18) through: (0, 4) and (-1, -1)

$$5x - y = -4$$

Write the standard form of the equation of the line described.

19) through: (2, 0), parallel to $y = \frac{2}{3}x$

$$2x - 3y = 4$$

20) through: (-2, 4), parallel to $y = -\frac{3}{2}x + 3$

$$3x + 2y = 2$$

21) through: (2, 4), perp. to $y = -\frac{2}{7}x - 5$

$$7x - 2y = 6$$

22) through: (5, 0), perp. to $y = -x + 5$

$$x - y = 5$$