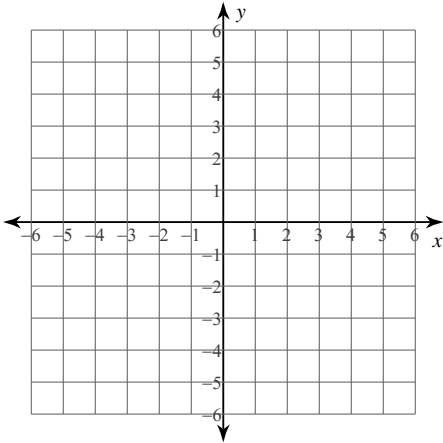


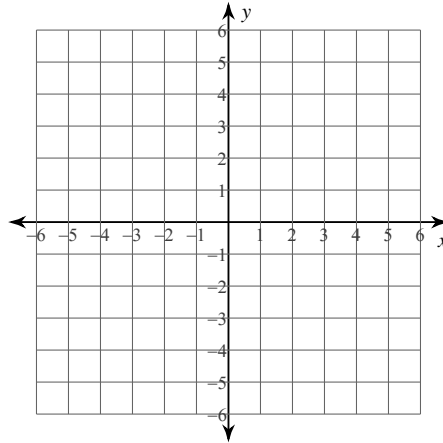
## Review of Linear Equations

Sketch the graph of each line.

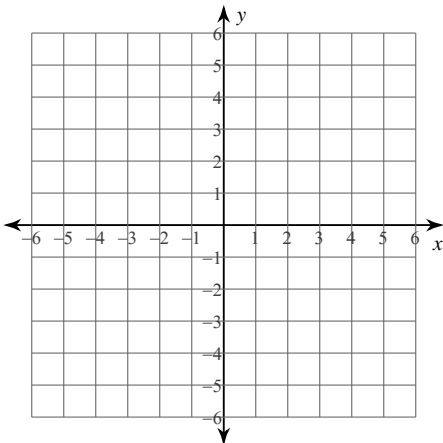
1)  $y - 2 = x - 2$



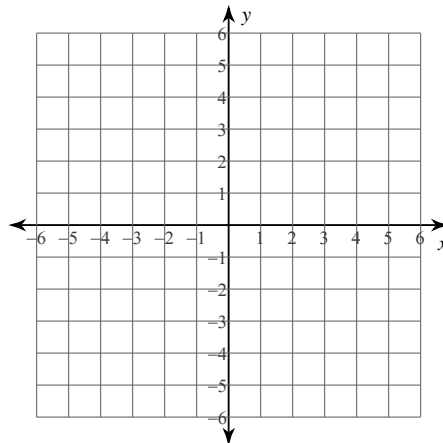
2)  $y = -x - 2$



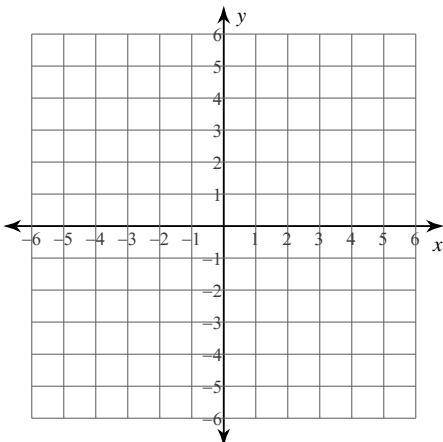
3)  $2x - 5y = 5$



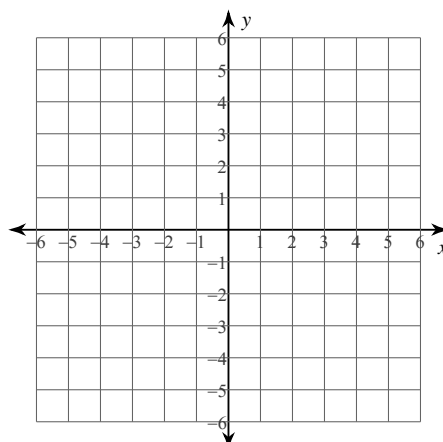
4)  $x = -1$



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

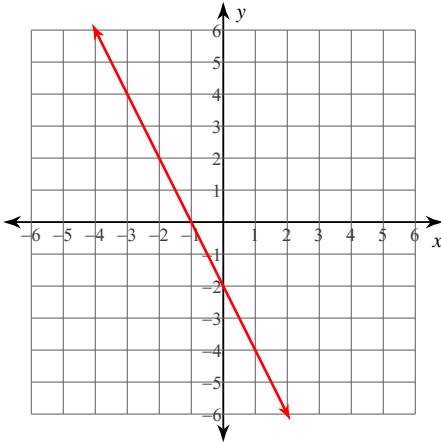
21) through: (2, 4), perp. to  $y = -\frac{2}{7}x - 5$

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

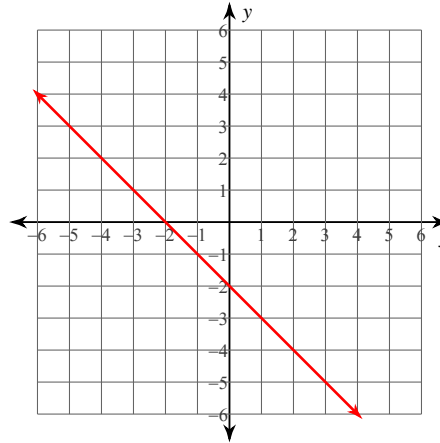
## Review of Linear Equations

Sketch the graph of each line.

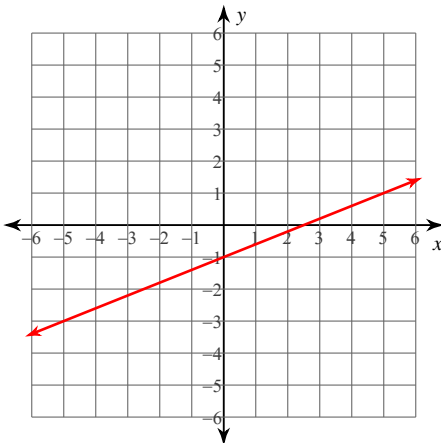
1)  $y - 2 = x - 2$



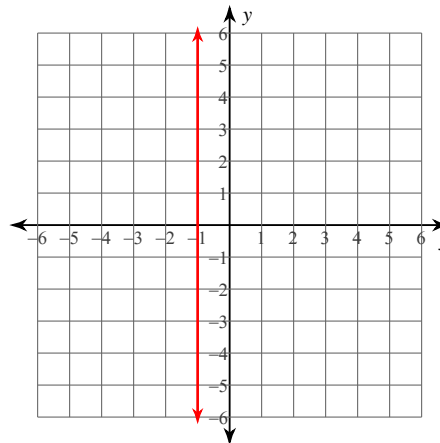
2)  $y = -x - 2$



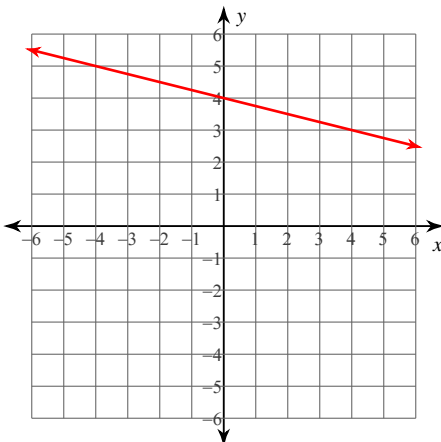
3)  $2x - 5y = 5$



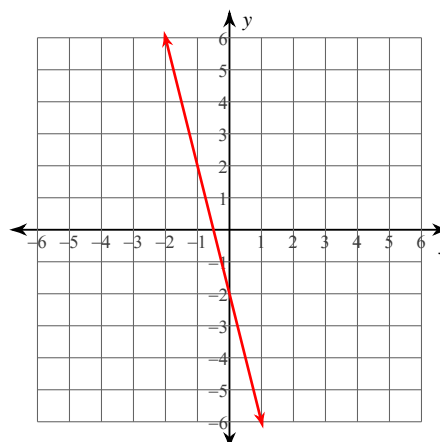
4)  $x = -1$



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  $y = -x + 5$

$$x - y = 5$$