

Make this equation into slope-intercept form.

$$\text{a.) } 2x + 2y = 8$$

$-2x \quad -2x$

$$\frac{2y}{2} = \frac{8-2x}{2}$$

$$y = 4 - 1x$$

$$\text{b.) } 3x + 2y = 7$$

$-3x \quad -3x$

$$\frac{2y}{2} = \frac{7-3x}{2}$$

$$y = \frac{7}{2} - \frac{3}{2}x$$

$$\text{c.) } 4y - x = -12$$

$+x \quad +x$

$$\frac{4y}{4} = \frac{-12+x}{4}$$

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

$$\text{d.) } -2x - 5y = -9$$

$+2x \quad +2x$

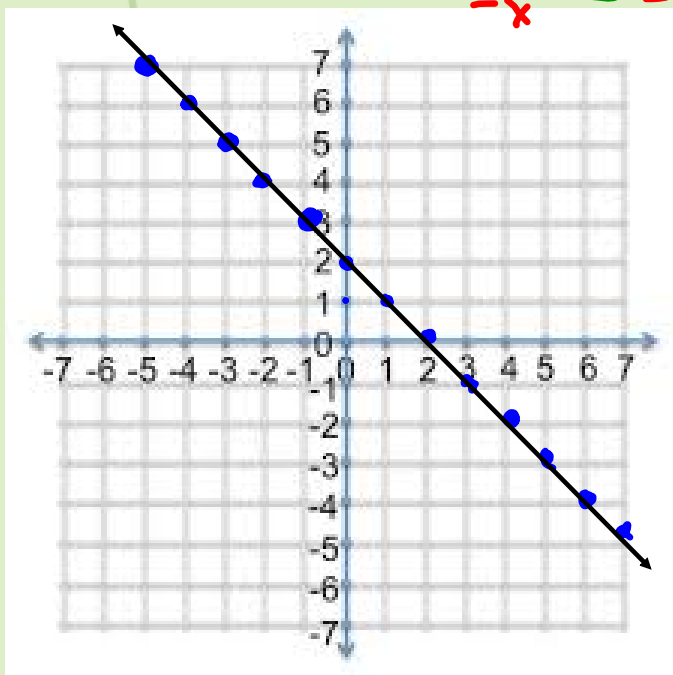
$$\frac{-5y}{-5} = \frac{-9+2x}{-5}$$

$$y = \frac{9}{5} - \frac{2}{5}x$$

Graph each equation in slope-intercept form.

$$x + y = 2$$

$-x \quad -x$

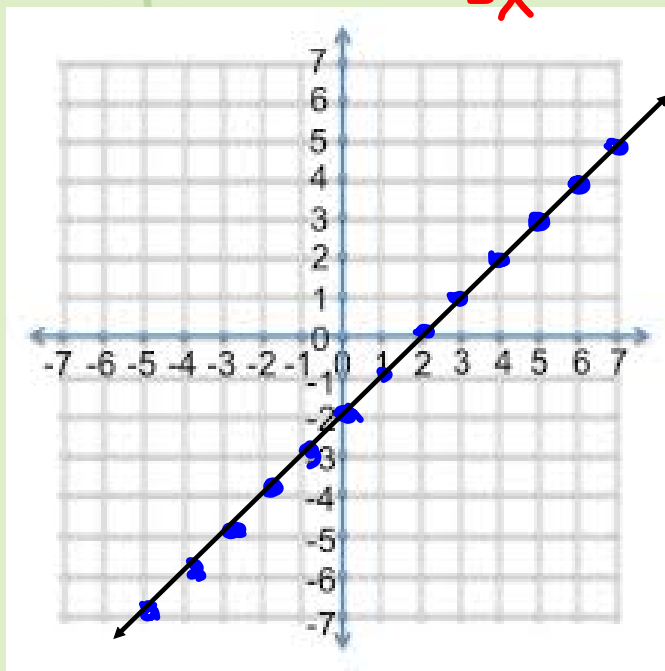


$$y = 2 - 1x$$

$$m = -1$$

$$b = 2$$

Graph each equation in slope-intercept form.



$$-x \boxed{-y} = 2 -x$$

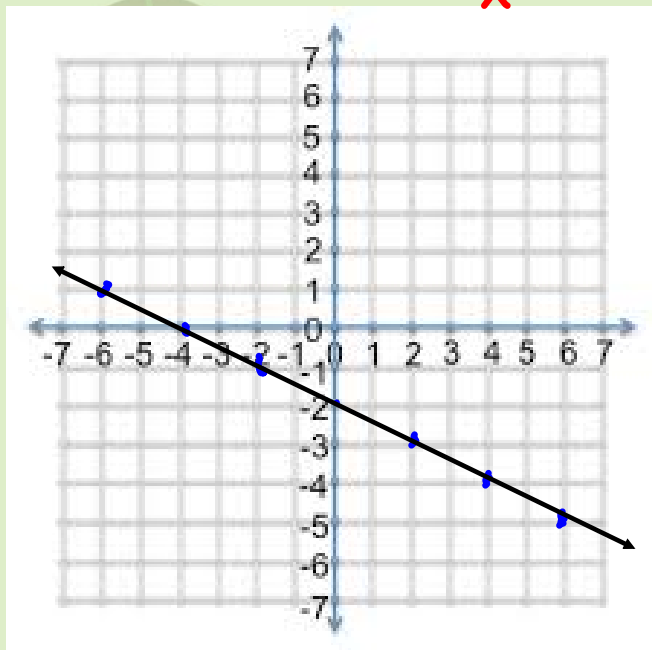
$$\frac{-y}{-1} = \frac{2-x}{-1}$$

$$y = -2 + 1x$$

$$m = 1$$

$$b = -2$$

Graph each equation in slope-intercept form.



$$-x \boxed{+2y} = -4 -x$$

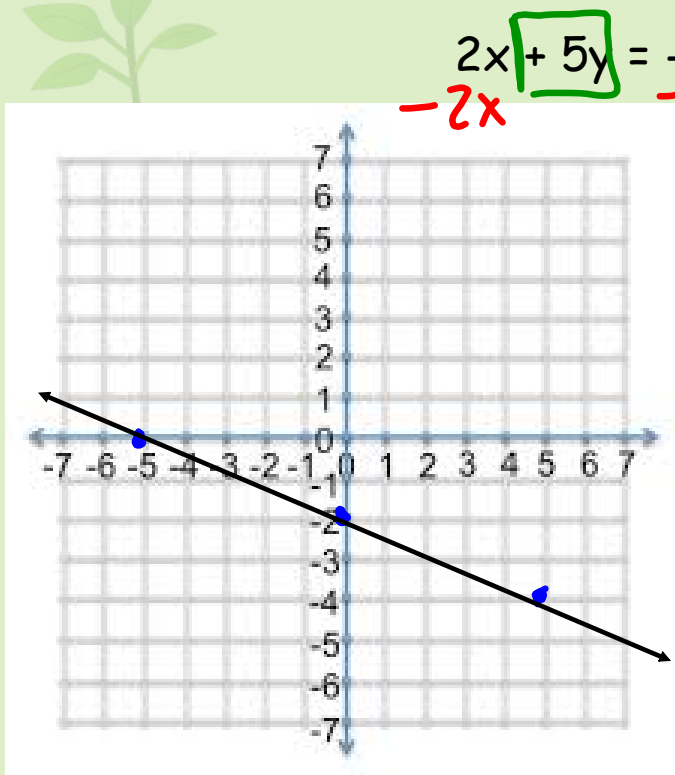
$$\frac{2y}{2} = \frac{-4-x}{2}$$

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

$$m = -\frac{1}{2}$$

$$b = -2$$

Graph each equation in slope-intercept form.



$$2x + 5y = -10$$

$-2x$        $-2x$

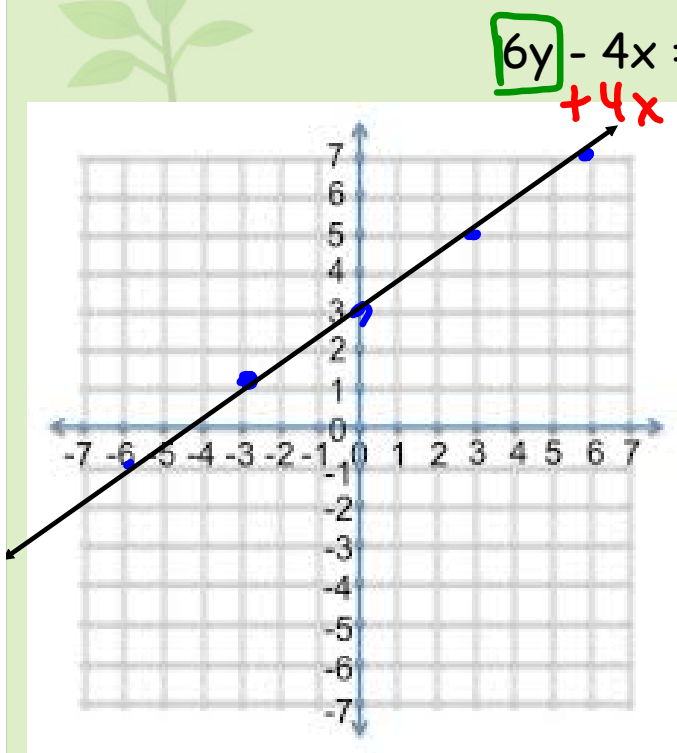
$$\frac{5y}{5} = \frac{-10 - 2x}{5}$$

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

$$m = -\frac{2}{5}$$

$$b = -2$$

Graph each equation in slope-intercept form.



$$6y - 4x = 18$$

$+4x$        $+4x$

$$\frac{6y}{6} = \frac{18 + 4x}{6}$$

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

$$m = \frac{2}{3}$$

$$b = 3$$