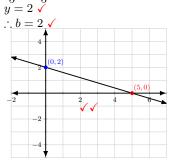


$$2(0) + 5y = 10 \checkmark$$

$$\frac{5y}{5} = \frac{10}{5} \checkmark$$

$$y = 2 \checkmark$$

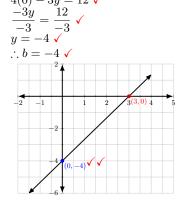
$$\therefore b = 2 \checkmark$$



2.
$$4x - 3y = 12 \checkmark$$

Let $y = 0 : \checkmark$
 $4x - 3(0) = 12 \checkmark$
 $\frac{4x}{4} = \frac{12}{4} \checkmark$
 $x = 3 \checkmark$
Let $x = 0 : \checkmark$

 $4(0) - 3y = 12 \checkmark$



3.
$$8y = 4x + 16$$

Let $y = 0$:
 $8(0) = 4x + 16$
 $0 - 4x = 4x - 4x + 16$
 $\frac{-4x}{-4} = \frac{16}{-4}$

$$\frac{-1}{-4} = \frac{1}{-4} \checkmark$$

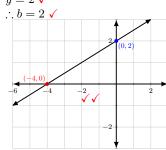
$$x = -4 \checkmark$$

$$\therefore a = -4 \checkmark$$
Let $x = 0 : \checkmark$

$$8y = 4(0) + 16 \checkmark$$

$$\frac{8y}{8} = \frac{16}{8} \checkmark$$

$$y = 2 \checkmark$$



4.
$$\frac{x}{-3} + \frac{y}{3} = 1 \checkmark$$
Let $y = 0 : \checkmark$

$$\frac{x}{-3} + \frac{0}{3} = 1 \checkmark$$

$$-3 \left[\frac{x}{-3} = 1 \right] \checkmark$$

$$x = -3 \checkmark$$

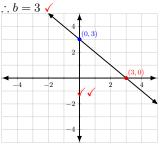
$$\therefore a = 3 \checkmark$$
Let $x = 0 : \checkmark$

$$\frac{0}{-3} + \frac{y}{3} = 1 \checkmark$$

$$3 \left[\frac{y}{3} = 1 \right] \checkmark$$

$$y = 3 \checkmark$$

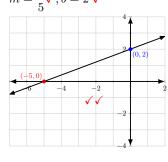
$$\therefore b = 3 \checkmark$$



B. Answers

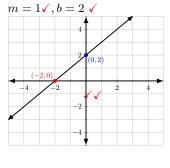
1.
$$2x - 5y = -10 \checkmark$$

 $2x - 2x - 5y = -2x - 10 \checkmark$
 $\frac{-5y}{-5} = \frac{-2x}{-5} - \frac{10}{-5} \checkmark$
 $y = \frac{2}{5}x + 2 \checkmark$
 $m = \frac{2}{5}\checkmark, b = 2 \checkmark$



2.
$$2(y-x)=4$$

$$\begin{array}{l} 2y - 2x = 4 \checkmark \\ 2y - 2x + 2x = 2x + 4 \checkmark \\ \frac{2y}{2} = \frac{2x}{2} + \frac{4}{2} \checkmark \\ y = x + 2 \checkmark \end{array}$$



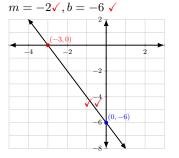
3.
$$-2x = y + 6$$

 $-2x + 2x - y = y - y + 2x + 6$
 $-1[-y - 2x + 6]$

$$-2x + 2x - y = y - y + 2x + 6$$

$$-1[-y = 2x + 6] \checkmark$$

$$y = -2x - 6 \checkmark$$



4.
$$7x - 10 + 5y = 0$$

$$7x - 7x - 10 + 10 + 5y = -7x + 10$$

$$\frac{6y}{5} = \frac{-7x}{5} + \frac{10}{5} \checkmark$$

$$y = -\frac{7}{5}x + 2 \checkmark$$

$$m = -\frac{7}{5}\checkmark, b = 2 \checkmark$$

$$n = -\frac{7}{5}\checkmark, b = 2\checkmark$$

