

$$2x + y = 5 \quad \leftarrow \text{Intercept form}$$
$$\begin{array}{r} -2x \\ \hline \end{array}$$



$$y = -2x + 5 \quad \leftarrow \text{Slope Intercept}$$

↑                    ↑

$$6x - 5y = 15$$

$$\begin{array}{l} x=0 \\ y=-3 \\ (0, -3) \end{array} \quad \begin{array}{l} -5y = 15 \\ \frac{-5y}{-5} = \frac{15}{-5} \\ y = -3 \end{array}$$

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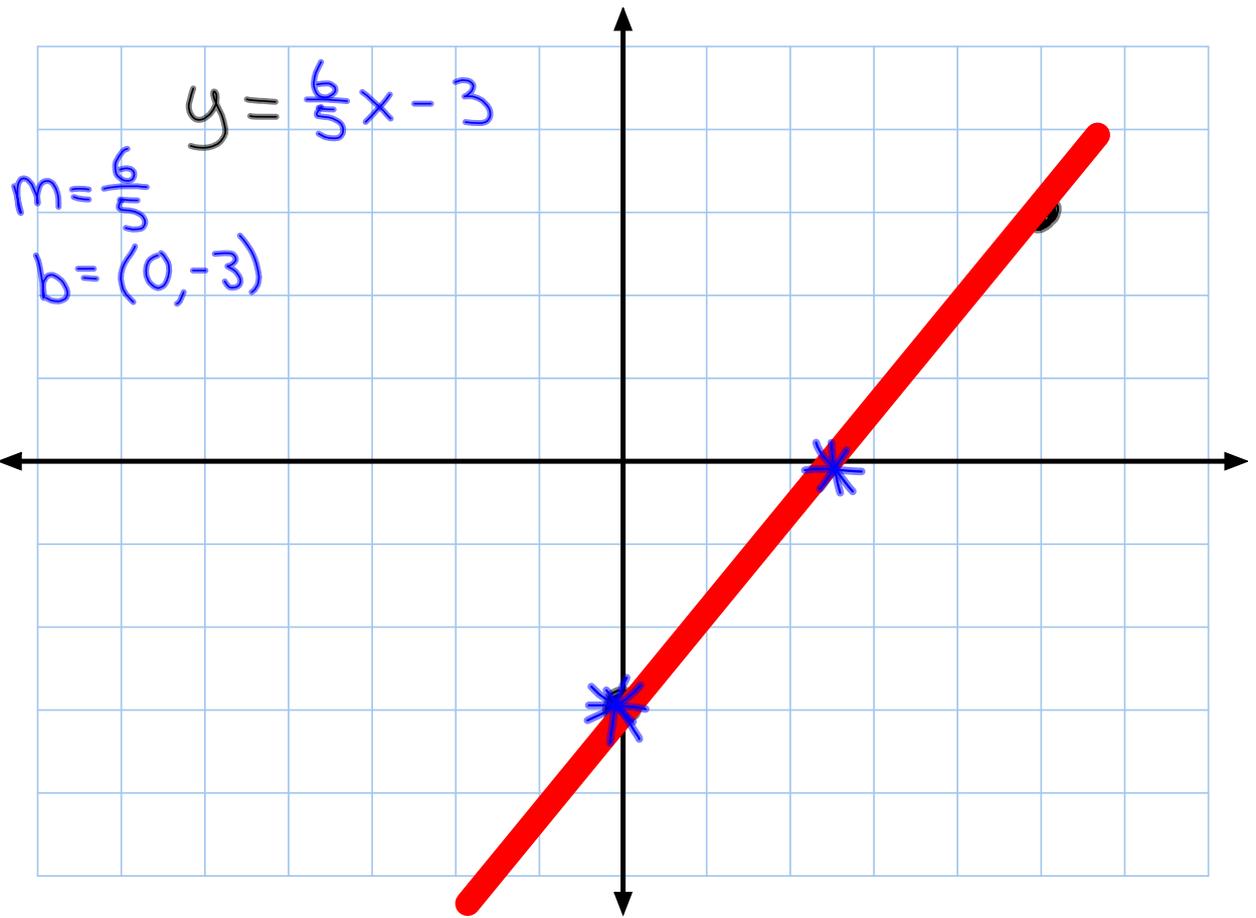
$$\begin{array}{l} y=0 \\ x=5/2 \\ (5/2, 0) \end{array} \quad \begin{array}{l} 6x = 15 \\ \frac{6x}{6} = \frac{15}{6} \\ x = 5/2 \end{array}$$

$$\begin{array}{r} 6x - 5y = 15 \\ -6x \qquad -6x \\ \hline -5y = -6x + 15 \end{array}$$

$$y = \frac{6}{5}x - 3$$

$$m = \frac{6}{5}$$

$$b = (0, -3)$$



$$-2x + 3y = 9$$

$$\begin{array}{r} +2x \qquad \qquad \qquad +2x \\ \hline \end{array}$$

$$\frac{3y}{3} = \frac{2x}{3} + \frac{9}{3}$$

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

$$5x - 3y = 6$$