Slope Intercept Form

$$y = mx + b$$

$$3x + 2y = 6$$

$$2y = 6 - 3x$$

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

$$\frac{-(2y)}{} = \frac{-(-3x + 6)}{}$$

$$\frac{2y}{} = \frac{-3x}{} + \frac{6}{}$$

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

$$b = 3$$

$$y\text{-intercept} = (0, 3)$$

Slope Intercept Form

$$y = mx + b$$

$$2x - 3y = 7$$

$$-3y = 7 - 2x$$

$$-3y = -2x + 7$$

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

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

$$b = -\frac{7}{3}$$

$$y\text{-intercept} = \left(0, -\frac{7}{3}\right)$$

Slope Intercept Form

$$y = mx + b$$

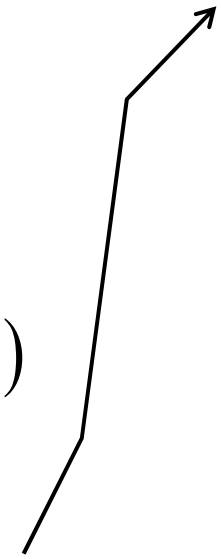
$$-4x + 5y = -2$$

$$5y = -2 + 4x$$

$$5y = 4x - 2$$

$$\frac{-(5y)}{} = \frac{-(4x - 2)}{}$$

$$\frac{5y}{} = \frac{4x}{} - \frac{2}{}$$



$$m = \frac{4}{5}$$

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

$$y-\text{intercept} = \left(0, -\frac{2}{5}\right)$$