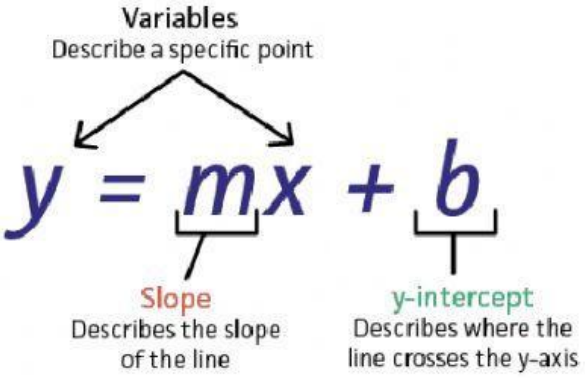
Rewriting in Slope Intercept Form

Directions: Fill in the blanks for converting a standard linear equation into Slope Intercept Form.



$8x + 4y = 16$

$8x + 4y = 16$ first subtract ☐

$4y =$ ☐ $+ 16$ then divide all by 4

$y =$ ☐ $+$ ☐ slope form

$2y = 4x + 2$

(divide both sides by 2 to get y alo

$\frac{2y}{\square} = \frac{4x + 2}{\square}$

(now simplify all fractions)

$\frac{2y}{\square} = \frac{4x}{\square} + \frac{2}{\square}$

$y =$ ☐ $+$ ☐

$3y - 5x = 9$

$\Rightarrow \quad 3y = 5x + 9$ Add + ☐ to both sides

$\Rightarrow \quad y = \frac{5x + 9}{\square}$ ☐ both sides by ☐

$\Rightarrow \quad y = \frac{5x}{\square} + \frac{9}{\square}$ Split into 2 fractions

$\Rightarrow \quad y = \frac{5x}{3} +$ ☐

$\Rightarrow \quad y = \frac{\square}{\square}x +$ ☐

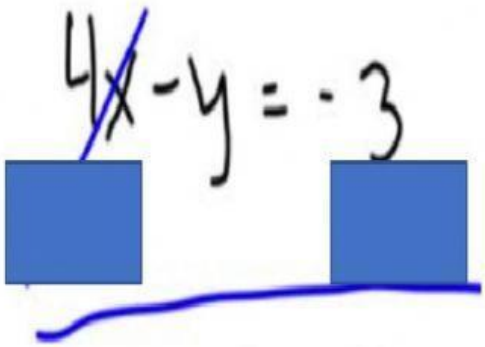
$2x + 3y = 6$

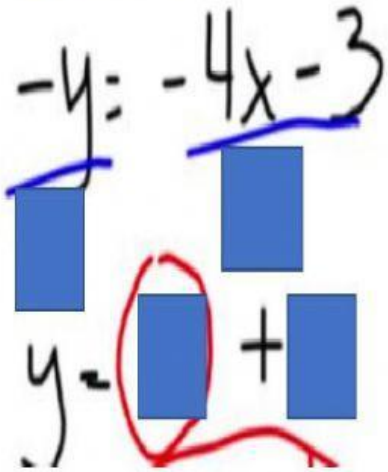
☐ ☐

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

$y =$ ☐ $- \frac{\square}{\square} x$

$y = \frac{\square}{\square} \square + \square$





Slope =	Y-Intercept = (,)

$$2y + 26 = -6x$$

Step 1: Subtract both sides by 26

Step 2: Divide both sides by 2 to get y by itself

Step 3: Simplify all fractions

What is the slope? _____

What is the y-intercept? _____