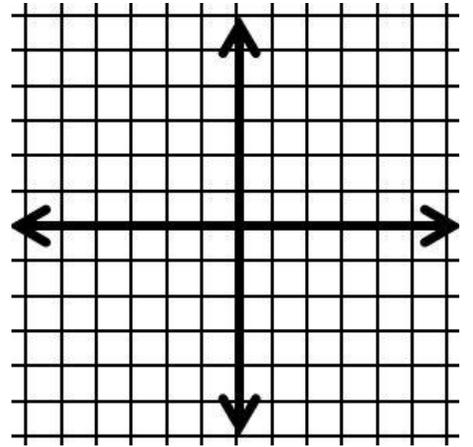
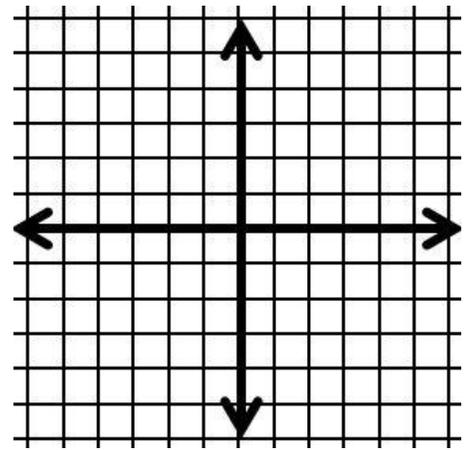


**Step 1:**  
Rewrite the equation in slope- intercept form.  
 $y = mx + b$

**Step 2:**  
Identify the slope ( $m$ ) & y-intercept ( $b$ ).

**Step 3:**  
Plot the y-intercept ( $b$ ).

**Step 4:**  
Use the slope ( $m$ ) to plot additional points (starting at the y-intercept)

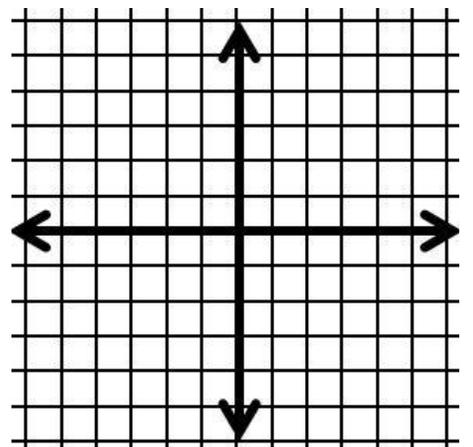
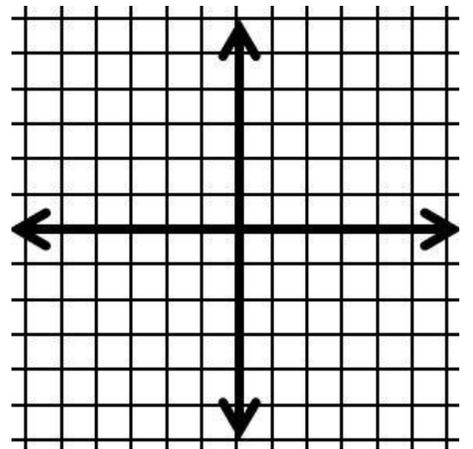


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Slope-Intercept Form

$$y = mx + b$$

↑ slope      ↑ y-intercept

EX. 1

**Step 1:**  
Rewrite the equation in slope-intercept form.  
 $y = mx + b$

**Step 2:**  
Identify the slope (m) & y-intercept (b).

**Step 3:**  
Plot the y-intercept (b).

**Step 4:**  
Use the slope (m) to plot additional points (starting at the y-intercept).

EX. 2 Graph  $5x = 15 + 3y$

$$\begin{aligned} \frac{5x - 15}{3} &= \frac{3y}{3} \\ \frac{5}{3}x - 5 &= y \\ y &= \frac{5}{3}x - 5 \end{aligned}$$

$\frac{5}{3}$  (m)       $-5$  (b)

