

Step 1:

Rewrite the equation in slope- intercept form.

$$y = mx + b$$

Step 2:

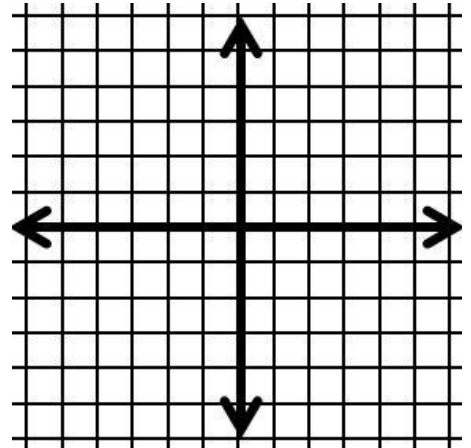
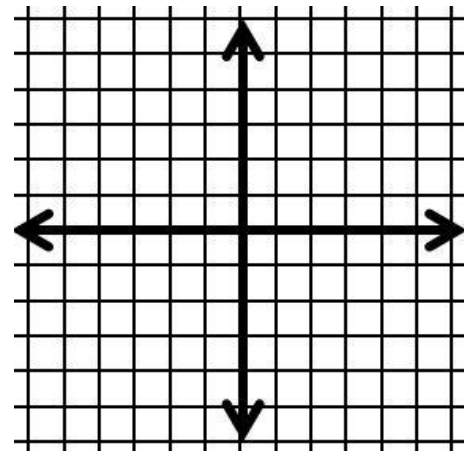
Identify the slope (m) & y-intercept (b).

Step 4:

Use the slope (m) to plot additional points (starting at the y-intercept)

Step 3:

Plot the y-intercept (b).



Step 1:

Rewrite the equation in slope- intercept form.

$$y = mx + b$$

Step 2:

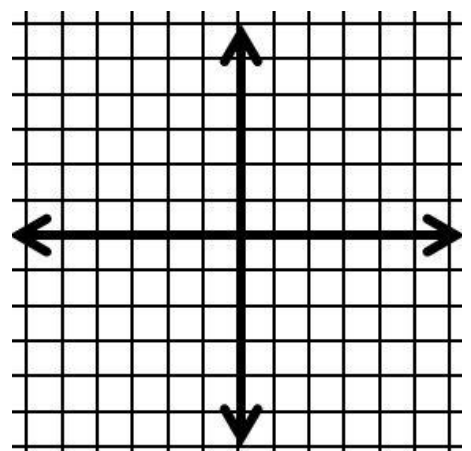
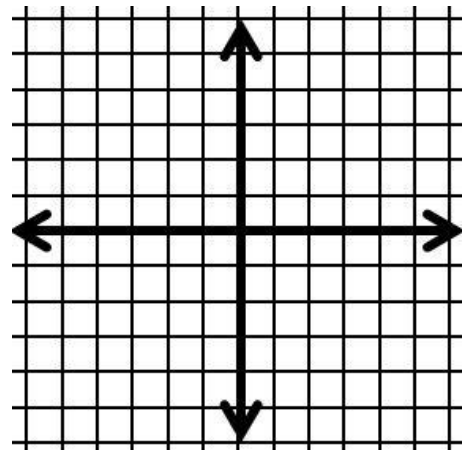
Identify the slope (m) & y-intercept (b).

Step 4:

Use the slope (m) to plot additional points (starting at the y-intercept)

Step 3:

Plot the y-intercept (b).



© Lisa Davenport 2012

<http://www.teacherspayteachers.com/Store/Lisa-Davenport>

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 $5x = 15 + 3y$

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

$\frac{5}{3}$ -5
m b