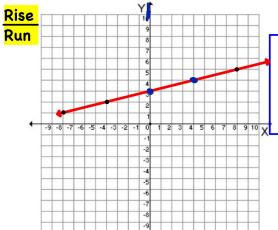


Equation	Slope (m)	y-intercept (b)
y = 3x + 2	3 = 3	2
$y = \frac{-2}{3}x + 4$	$\frac{-2}{3}$	4
$y = \frac{1}{2}x + 5$	± 1/2	- 5

Identify the equation of the line:

Slope (m) = $\frac{1}{4}$ y-intercept (b) = 3



Equation:

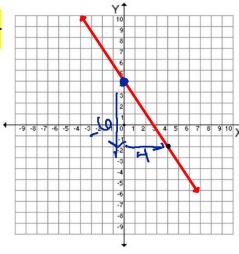
$$y = mx + b$$

$$y = \frac{1}{4}x + 3$$

Find the equation of the line:

Slope (m) =
$$\frac{-6}{4} = \frac{-3}{2}$$
 y-intercept (b) = 4





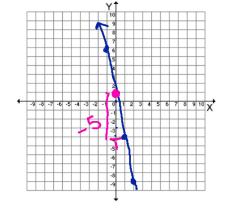
Equation:

$$y = mx + b$$

$$y = \frac{3}{2}x + 4$$

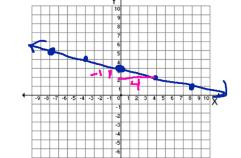
- ★Graphing a linear function ★ using slope-intercept form.
- 1. Identify the slope (m)
- 2. Identify the y-intercept (b)
- ★3. Plot the y-intercept (starting value)
 (where the line began)
- ★4. Plot more points to show the slope (how the line moves)
 - 5. Connect the points with a straight line (showing the line extends infinitely)

Graph y = -5x + 1



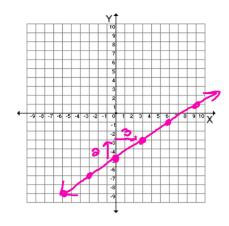
Graph $y = \frac{-1}{4}x + 3$





Graph
$$y = \frac{2}{3}x + 5$$

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



Graph
$$x = -5$$

m= undefined

p= None

Graph
$$y=4 \rightarrow y=0x+4$$

m= 0 horizontal line