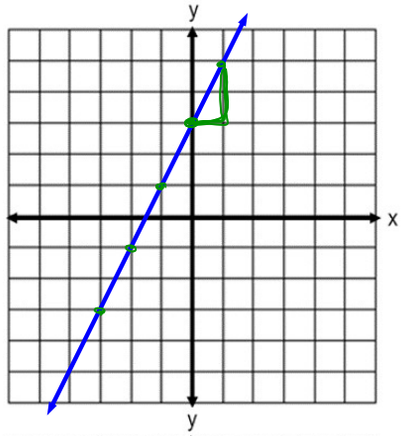
Given graph, write equation in y = mx + b form

Find the slope and y-intercept for the lines. Then give the equation of the line in slope-intercept form.

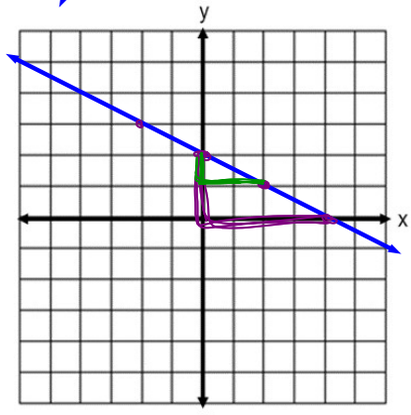
$y = mx + b$



m = $\frac{2}{1}$ or 2

y-int = 3 (b)

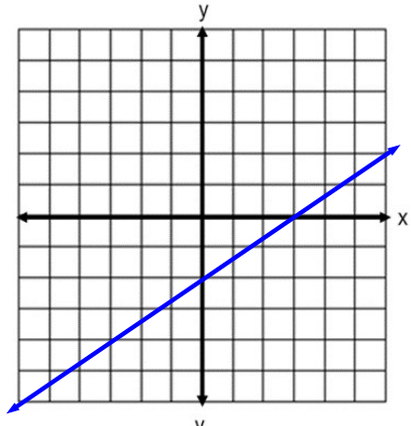
equation: $y = 2x + 3$



m = $-\frac{1}{2}$

y-int = 2

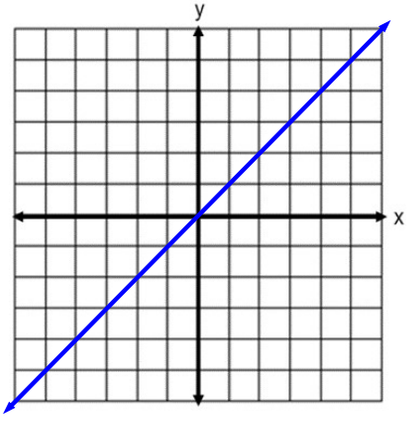
equation: $y = -\frac{1}{2}x + 2$



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

y-int = -2

equation: $y = \frac{2}{3}x - 2$



m = $\frac{1}{1}$ or 1

y-int = 0

equation: $y = 1x + 0$ or $y = x$

Graphing Warm up! (Quiz - Wednesday on Graphing)

Graph the following:

(2, 3) with a slope of 2

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

$y = \frac{4}{3}x - 6$