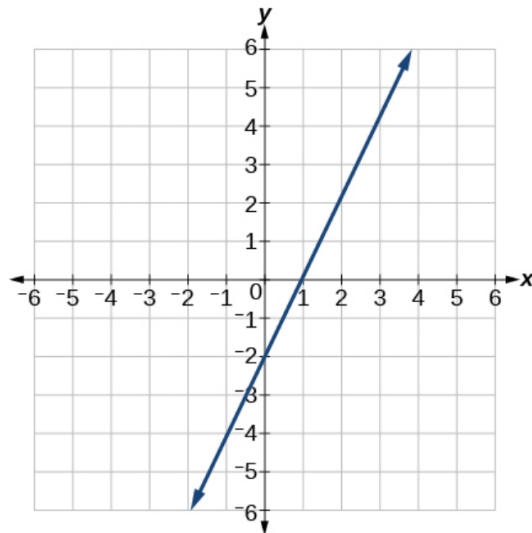
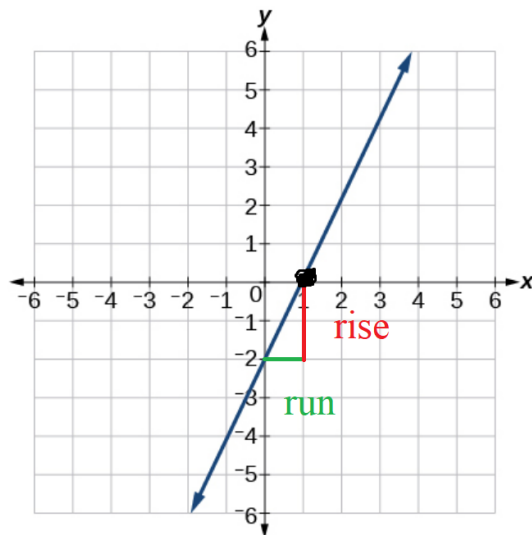


## Exercise 9

Write an equation in slope-intercept form for the line shown.



### Solution



The slope is the ratio of rise to run.

$$\text{slope} = \frac{\text{rise}}{\text{run}} = \frac{2}{1} = 2$$

One of the points the line goes through is  $(1, 0)$ . Use the point-slope formula to obtain the equation of the line.

$$y - 0 = 2(x - 1)$$

$$y = 2x - 2$$