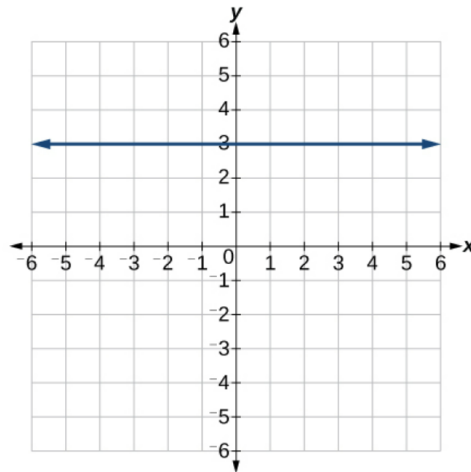


Exercise 45

For the following exercises, write an equation for the lines graphed.

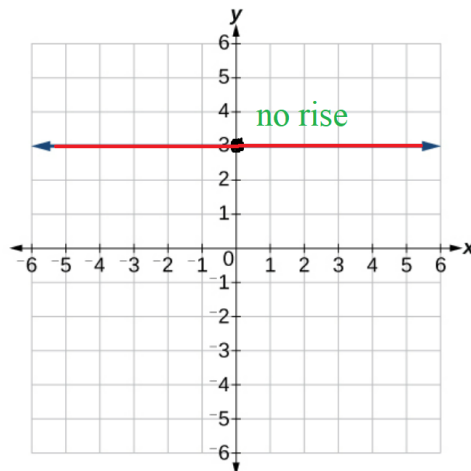


Solution

The general equation of a line is

$$y = mx + b.$$

Determine the slope of the line first.



It's the ratio of the "rise" to "run."

$$m = \frac{0}{\text{run}} = 0$$

Notice that the line crosses the y -axis at 3, so $b = 3$. Therefore,

$$y = 3.$$