

Exercise 70

Find the equation of the line parallel to the line $g(x) = -0.01x + 2.01$ through the point $(1, 2)$.

Solution

The line parallel to the given one has the same slope: $m = -0.01$. Use the point-slope formula to get the equation of the line going through $(1, 2)$.

$$y - 2 = -0.01(x - 1)$$

$$y - 2 = -0.01x + 0.01$$

$$y = -0.01x + 2.01$$