

Exercise 16

For the following exercises, find the x - and y - intercepts of the given equation

$$f(x) = 2x - 1$$

Solution

Determine the y -intercept by setting $x = 0$.

$$f(0) = 2(0) - 1 = -1$$

Therefore, the y -intercept is $(0, -1)$. Determine the x -intercept by setting $y = 0$ and solving the equation for x .

$$0 = 2x - 1$$

$$1 = 2x$$

$$x = \frac{1}{2}$$

Therefore, the x -intercept is $(\frac{1}{2}, 0)$.

