

Exercise 15

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

$$k(x) = -5x + 1$$

Solution

To find the y -intercept, set $x = 0$.

$$k(0) = -5(0) + 1 = 1$$

Therefore, the y -intercept is $(0, 1)$. To find the x -intercept(s), set $y = 0$.

$$0 = -5x + 1$$

Solve for x .

$$5x = 1$$

$$x = \frac{1}{5}$$

Therefore, the x -intercept is $(\frac{1}{5}, 0)$.

