

## Exercise 14

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

$$h(x) = 3x - 5$$

### Solution

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

$$h(0) = 3(0) - 5 = -5$$

Therefore, the  $y$ -intercept is  $(0, -5)$ . To find the  $x$ -intercept(s), set  $y = 0$ .

$$0 = 3x - 5$$

Solve for  $x$ .

$$3x = 5$$

$$x = \frac{5}{3}$$

Therefore, the  $x$ -intercept is  $(\frac{5}{3}, 0)$ .

