

## Exercise 5

What two algebraic methods can be used to find the horizontal intercepts of a quadratic function?

---

### Solution

The horizontal intercepts of a quadratic function,

$$y = ax^2 + bx + c,$$

are found by setting  $y = 0$  and solving for  $x$ .

$$0 = ax^2 + bx + c$$

$x$  can be solved for by factoring or completing the square.