Exercise 12

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

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

Solution

To find the y-intercept, set $x = 0$.
$$f(0) = -0 + 2 = 2$$

Therefore, the y-intercept is $(0, 2)$. To find the x-intercept(s), set $y = 0$.

$$0 = -x + 2$$

Solve for x.
$$x = 2$$

Therefore, the x-intercept is $(2, 0)$.