## Exercise 59

If possible, find all values of a such that there are no y- intercepts for f(x) = 2|x+1| + a.

## Solution

To find the y-intercept of the function, plug in x = 0.

$$f(0) = 2|0+1| + a = 2(1) + a = 2 + a$$

Any value of a will result in a y-intercept: (0, 2 + a).