Exercise 52

For the following exercises, write the domain for the piecewise function in interval notation.

$$f(x) = \begin{cases} x+1 & \text{if } x < -2\\ -2x - 3 & \text{if } x \ge -2 \end{cases}$$

Solution

The domain is $(-\infty, \infty)$ because the function has an output for every value of x.