

Exercise 54

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

$$f(x) = \begin{cases} 2x - 3 & \text{if } x < 0 \\ -3x^2 & \text{if } x \geq 2 \end{cases}$$

Solution

The domain is $(-\infty, 0) \cup [2, \infty)$.