

## Exercise 24

For the following exercises, find the domain of each function using interval notation.

$$f(x) = \frac{x}{x}$$

---

### Solution

You cannot divide by zero, so it's necessary that

$$x \neq 0.$$

Therefore, the domain is  $(-\infty, 0) \cup (0, \infty)$ . This is reflected in the graph of  $f(x)$  versus  $x$ .

