## Exercise 18

For the following exercises, determine the end behavior of the functions.

$$
f(x)=x^{3}
$$

## Solution

Because $x$ is raised to an odd power, $f(x) \rightarrow-\infty$ as $x \rightarrow-\infty$ and $f(x) \rightarrow \infty$ as $x \rightarrow \infty$.


