

Exercise 22

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

$$f(x) = 3x^2 + x - 2$$

Solution

For a polynomial function, look at the leading term, $3x^2$. x is raised to an even power and the coefficient is positive, so $f(x) \rightarrow \infty$ as $x \rightarrow \pm\infty$.

