

Exercise 31

Determine the infinite limit.

$$\lim_{x \rightarrow 5^+} \frac{x+1}{x-5}$$

Solution

Since x goes to 5 from the right, the numerator and denominator are both positive. Therefore,

$$\lim_{x \rightarrow 5^+} \frac{x+1}{x-5} = +\infty.$$

