

Exercise 18

Sketch the graph of an example of a function f that satisfies all of the given conditions.

$$\lim_{x \rightarrow 0^-} f(x) = 2, \quad \lim_{x \rightarrow 0^+} f(x) = 0, \quad \lim_{x \rightarrow 4^-} f(x) = 3, \quad \lim_{x \rightarrow 4^+} f(x) = 0, \quad f(0) = 2, \quad f(4) = 1$$

Solution

