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

$$\lim_{x \to 0} f(x) = 1 \; , \qquad\qquad \lim_{x \to 3^-} f(x) = -2$$

$$\lim_{x \to 3^+} f(x) = 2 \; , \qquad\qquad f(0) = -1, \quad f(3) = 1$$