Limits: A Graph Satisfying Several Conditions

Sketch a graph of a single function $f(x)$ that satisfies all of the following conditions:

1) $f(0) = 2$

2) $\lim\limits_{x \to 0^-} f(x) = 2$

3) $\lim\limits_{x \to 0^+} f(x) = 0$

4) $f(4) = 1$

5) $\lim\limits_{x \to 4^-} f(x) = 3$

6) $\lim\limits_{x \to 4^+} f(x) = 0$