

Math 2215 - Calculus 1

Quiz #2 - 2017.08.29

Name: _____

Sketch the graph of a single function which satisfies the following six properties:

$$\lim_{x \rightarrow 0^-} f(x) = -\infty, \quad \lim_{x \rightarrow 0^+} f(x) = 5, \quad f(0) \text{ is not defined}$$

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