

Math 2143 - Brief Calculus with Applications

Quiz #2 - 2017.08.30

Name: _____

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

$$\begin{aligned} \lim_{x \rightarrow 0^-} f(x) = -\infty, & \quad \lim_{x \rightarrow 0^+} f(x) = 5, & f(0) \text{ is not defined} \\ \lim_{x \rightarrow 4^-} f(x) = 0, & \quad \lim_{x \rightarrow 4^+} f(x) = -1, & f(4) = -1 \end{aligned}$$