

Math 2143 - Brief Calculus with Applications

Quiz #3 - 2006.02.01

Solutions

Draw the graph of a function $f(x)$ which satisfies the following properties.

- a) $\lim_{x \rightarrow -1^-} f(x) = 2$
- b) $\lim_{x \rightarrow -1^+} f(x) = -2$
- c) $f(-1) = 1$
- d) $\lim_{x \rightarrow 0^-} f(x) = -\infty$
- e) $\lim_{x \rightarrow 0^+} f(x) = \infty$
- f) $\lim_{x \rightarrow 1} f(x) = 2$
- g) $f(1) = -2$

