

Quiz 4
Oct. 25, 2006

1. (10 pts) Identify the limits from the graph of $f(x)$

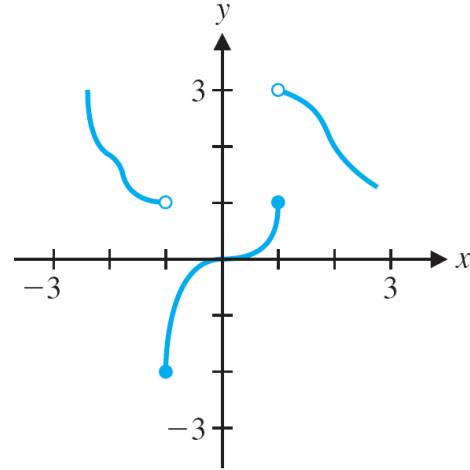
$$\lim_{x \rightarrow -1^-} f(x) = \underline{\hspace{2cm}},$$

$$\lim_{x \rightarrow -1^+} f(x) = \underline{\hspace{2cm}},$$

$$\lim_{x \rightarrow -1} f(x) = \underline{\hspace{2cm}},$$

$$\lim_{x \rightarrow 0^-} f(x) = \underline{\hspace{2cm}},$$

$$\lim_{x \rightarrow 1^-} f(x) = \underline{\hspace{2cm}}.$$



2. (10 pts) Evaluate the indicated limit, if it exists.

$$\lim_{x \rightarrow 4} \frac{\sqrt{x} - 2}{x - 4}$$