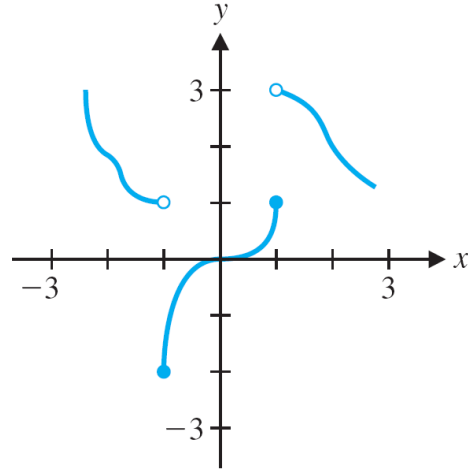


## Quiz 2

Oct. 17, 2007

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.

•

$$\lim_{x \rightarrow 2} x^2 - 4$$

•

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

