

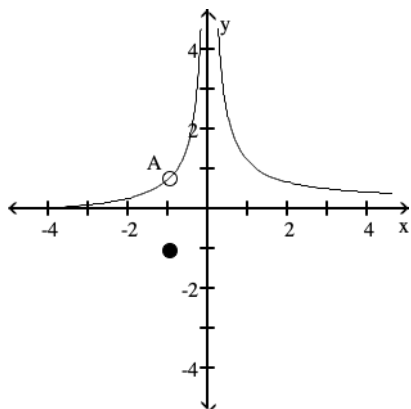
# Finding Limit from Graph

**MULTIPLE CHOICE.** Choose the one alternative that best completes the statement or answers the question.

Use the graph to evaluate the indicated limit or function value or state that it does not exist.

1) Find  $\lim_{x \rightarrow -1} f(x)$  and  $f(-1)$ .

1) \_\_\_\_\_



A is the point  $\left(-1, \frac{4}{5}\right)$

A)  $\frac{4}{5}$ ; does not exist

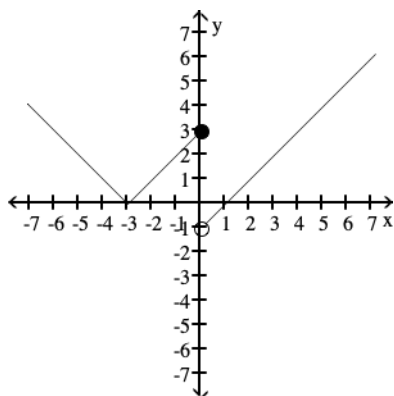
B) -1;  $\frac{4}{5}$

C) Does not exist; -1

D)  $\frac{4}{5}$ ; -1

2) Find  $\lim_{x \rightarrow 0^-} f(x)$  and  $\lim_{x \rightarrow 0^+} f(x)$ .

2) \_\_\_\_\_



A) 3; -1

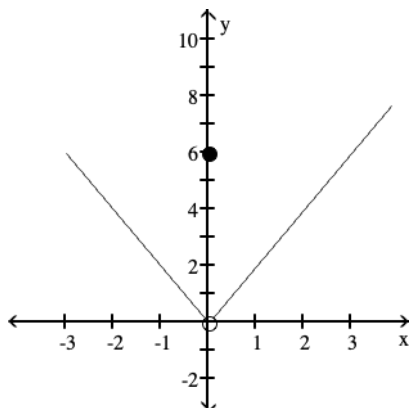
B) -1; 3

C) Does not exist; does not exist

D) 3; Does not exist

3) Find  $\lim_{x \rightarrow 0} f(x)$  and  $f(0)$ .

3) \_\_\_\_\_



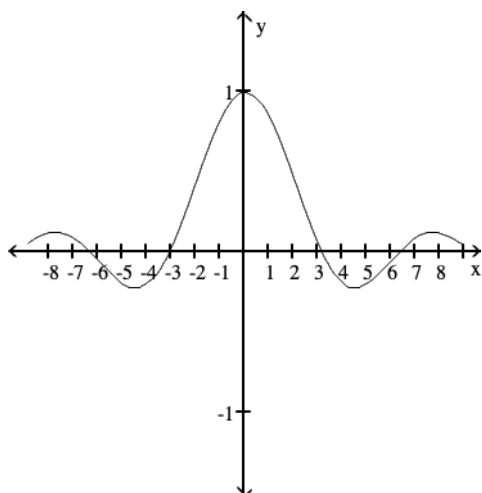
- A) Does not exist; 6
- C) 0; 6

- B) 0; does not exist
- D) 6; 0

Use the graph to evaluate the limit.

4)  $\lim_{x \rightarrow 0} f(x)$

4) \_\_\_\_\_



A) 1

B) -1

C) 0

D) does not exist

Answer Key

Testname: FINDING LIMIT FROM GRAPH

- 1) D
- 2) A
- 3) C
- 4) A