

LIMITS GRAPH SKETCHING ACTIVITY

Set A

Set A

$$f(0) = 3$$

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$$\lim_{x \rightarrow 0} f(x) = 1$$

$$\lim_{x \rightarrow 0} f(x) = 1$$

$$\lim_{x \rightarrow -4^-} f(x) = -2$$

$$\lim_{x \rightarrow -4^-} f(x) = -2$$

$$\lim_{x \rightarrow -4^+} f(x) = 5$$

$$\lim_{x \rightarrow -4^+} f(x) = 5$$

$$f(-4) = -2$$

$$f(-4) = -2$$

LIMITS GRAPH SKETCHING ACTIVITY

Set B

Set B

$f(1) = 0$	$f(1) = 0$
$\lim_{x \rightarrow 1} f(x)$ does not exist	$\lim_{x \rightarrow 1} f(x)$ does not exist
$f(-3)$ is undefined	$f(-3)$ is undefined
$\lim_{x \rightarrow -3^+} f(x) = -1$	$\lim_{x \rightarrow -3^+} f(x) = -1$
$\lim_{x \rightarrow -3^-} f(x) = 1$	$\lim_{x \rightarrow -3^-} f(x) = 1$

LIMITS GRAPH SKETCHING ACTIVITY

Set C

$$f(-4) = 2$$

$$f(0) = -1$$

$$f(4) = 4$$

$$\lim_{x \rightarrow 4} f(x) \text{ is undefined}$$

$$\lim_{x \rightarrow -3} f(x) = 1$$

Set C

$$f(-4) = 2$$

$$f(0) = -1$$

$$f(4) = 4$$

$$\lim_{x \rightarrow 4} f(x) \text{ is undefined}$$

$$\lim_{x \rightarrow -3} f(x) = 1$$