

LIMITS GRAPH SKETCHING ACTIVITY

Set A	Set A
$f(0) = 3$	$f(0) = 3$
$\lim_{x \rightarrow 0} f(x) = 1$	$\lim_{x \rightarrow 0} f(x) = 1$
$\lim_{x \rightarrow -4^-} f(x) = -2$	$\lim_{x \rightarrow -4^-} f(x) = -2$
$\lim_{x \rightarrow -4^+} f(x) = 5$	$\lim_{x \rightarrow -4^+} f(x) = 5$
$f(-4) = -2$	$f(-4) = -2$

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

Activity Created by Sarah Carter
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M + A + T + H = Love

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Set C	Set C
$f(-4) = 2$	$f(-4) = 2$
$f(0) = -1$	$f(0) = -1$
$f(4) = 4$	$f(4) = 4$
$\lim_{x \rightarrow 4} f(x)$ does not exist	$\lim_{x \rightarrow 4} f(x)$ does not exist
$\lim_{x \rightarrow -3} f(x) = 1$	$\lim_{x \rightarrow -3} f(x) = 1$

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