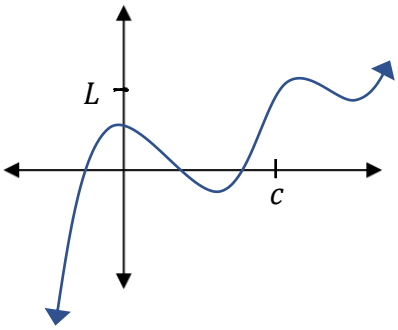
DATE: _____

Limits Graphically

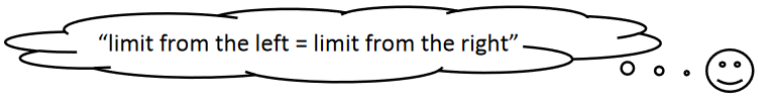
$\lim_{x \to c} f(x) = L$

means: as x approaches the x-value of c,
the function, $f(x)$, approaches the y-value L.



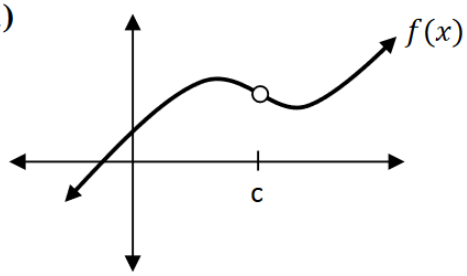
In order for $\lim_{x \to c} f(x)$ to exist,

$\lim_{x \to c^-} f(x)$ has to equal $\lim_{x \to c^+} f(x)$

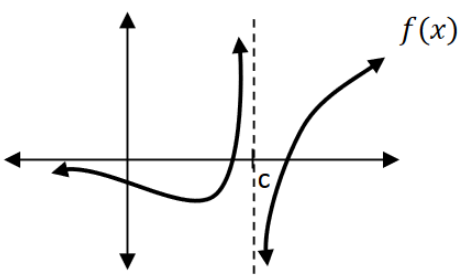


Examples: Does $\lim_{x \to c} f(x)$ exist? Explain why or why not.

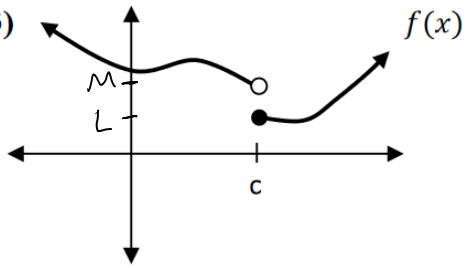
1)



2)



3)



4)