	Notecards Limits	
1	What are the 3 ways you can evaluate a limit?	1. Graphically 2. Numerically or (Make a table) 3. Algebraically
2	What is a limit?	$$\lim_{x \to c} f(x) = L$$ The limit as x approaches c of $f(x)$ is equal to L The Limit (L) is the graph behavior (the $y-$value) at a specific x.
3	What are the 3 conditions that must be met for a function to be continuous at $x = c$?	1. $f(a)$ must be defined Must be defined at a. 2. $\lim_{x \to a} f(x)$ $must\ exist$ The limit must exist at a. 3. $\lim_{x \to a} f(x) = f(a)$ The limit must equal the function value.
4	What is the Calculus way to state a vertical asymptote at $x = a$?	If $\lim_{x \to a} f(x) = \pm\infty$ Then $VA:\ x = a$
5	What is the Calculus way to state a horizontal asymptote at $y = a$?	If $\lim_{x \to \pm\infty} f(x) = a$ Then $HA:\ y = a$