NOTE: FOR A LIMIT TO EXIST, IT HAS TO AGREE APPROACHING FROM THE LEFT AND APPROACHING FROM THE RIGHT

1. $\lim_{x \to 2} (x^2 - 3x - 2) = -4$

	-.1	-.01	-.001		+.001	+.01	+.1
X	1.9	1.99	1.999	2	2.001	2.01	2.1
f(X)	-4.09	-4.01	-4.001	?	-3.999	-3.99	-3.89

$\frac{1.9}{x^2 - 3x - 2}$

$(1.9)^2 - 3(1.9) - 2$

$= -4.09$

2. $\lim_{x \to 5} \frac{(x^2 - 25)}{(x - 5)} = 10$

X	4.9	4.99	4.999	5	5.001	5.01	5.1
f(X)	9.9	9.99	9.999	?	10.001	10.01	10.1

3. $\lim_{x \to 0} \frac{\tan x}{x} = 1$

	-.1	-.01	-.001		+.001	+.01	+.1
X	-.1	-.01	-.001	0	.001	.01	.1
F(X)	1.0033	1	1	?	1	1	1.0033

4. $\lim_{x \to 2} \frac{(x^2 - 5x + 6)}{(x - 2)} = -1$

	-.1	-.01	-.001		+.001	+.01	+.1
X	1.9	1.99	1.999	2	2.001	2.01	2.1
f(X)	-1.1	-1.01	-1.001	?	-.999	-.99	-.9