



# LIMITS

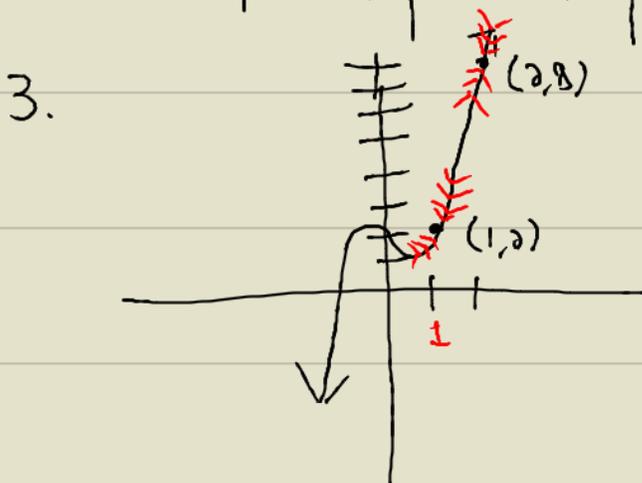
1.  $\lim_{x \rightarrow 2} (x^2 + 4x - 1) = \textcircled{11}$

X	1.9	1.99	1.999	2	2.001	2.01	2.1
f(x)	10.21	10.92	10.992	?	11.008	11.08	11.81

$x=1.9$   
 $(1.9)^2 + 4(1.9) - 1$   
 $= 10.21$

2.  $\lim_{x \rightarrow 3} \frac{(x^2 - 9)}{(x - 3)} = \textcircled{6}$

X	2.9	2.99	2.999	3	3.001	3.01	3.1
f(x)	5.9	5.99	5.999	?	6.001	6.01	6.1



a)  $\lim_{x \rightarrow 1} f(x) = \textcircled{2}$

b)  $\lim_{x \rightarrow 2} f(x) = \textcircled{8}$