	if S(t) denotes the position at time t, from t=t0 to t=t1 is $\frac{\zeta(t_0) - \zeta(t_0)}{t_0 - t_0}$
The instantaneous ve $S'(+_{o}) = \frac{1}{4}$	Hocity at t=t0 is $\lim_{t \to t_0} \frac{S(t) - S(t_0)}{t - t_0}$ $\lim_{t \to t_0} S(t_0 + h) - S(t_0)$
Ex. Find in	etantaneous velocity at $t=1$ if $S(t)=t^2+3t$
S'(1) =	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
Ex. 2. Fin	2 S'(to) for any to E IR = lim S(to+h)-S(to) h
	- lim (toth)2 + 3(to+h) - to2 + 3to h>0