

Graphs: P vs T & V vs T

$$V = \frac{\Delta \text{Pos}}{\Delta \text{time}} = \frac{d}{t}$$

$$\text{accel} = \frac{\Delta \text{Vel}}{\Delta \text{time}} = \frac{\Delta V}{\Delta t}$$

For every motion graph, you must be able to say something about each:

$\Delta t$ ,  $\Delta V$ ,  $\Delta \text{Pos}$ , accel

Velocity = Speed = how fast

Position = distance = how far

Accel = speed up, slow down,  
or  $\Delta$  direction



