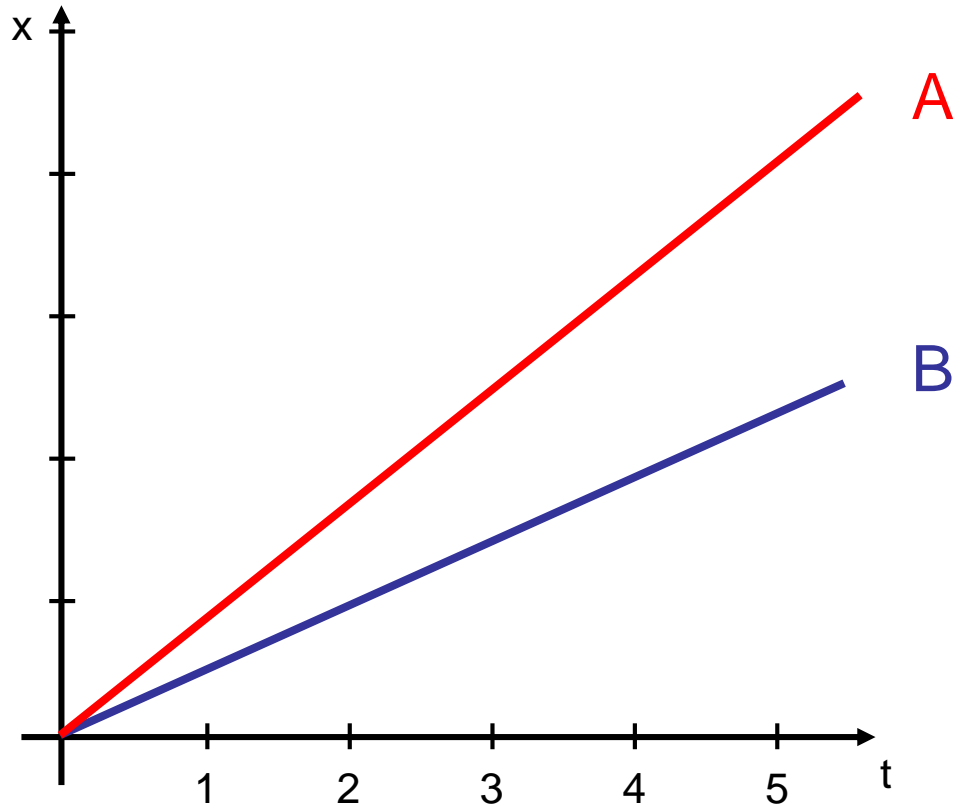
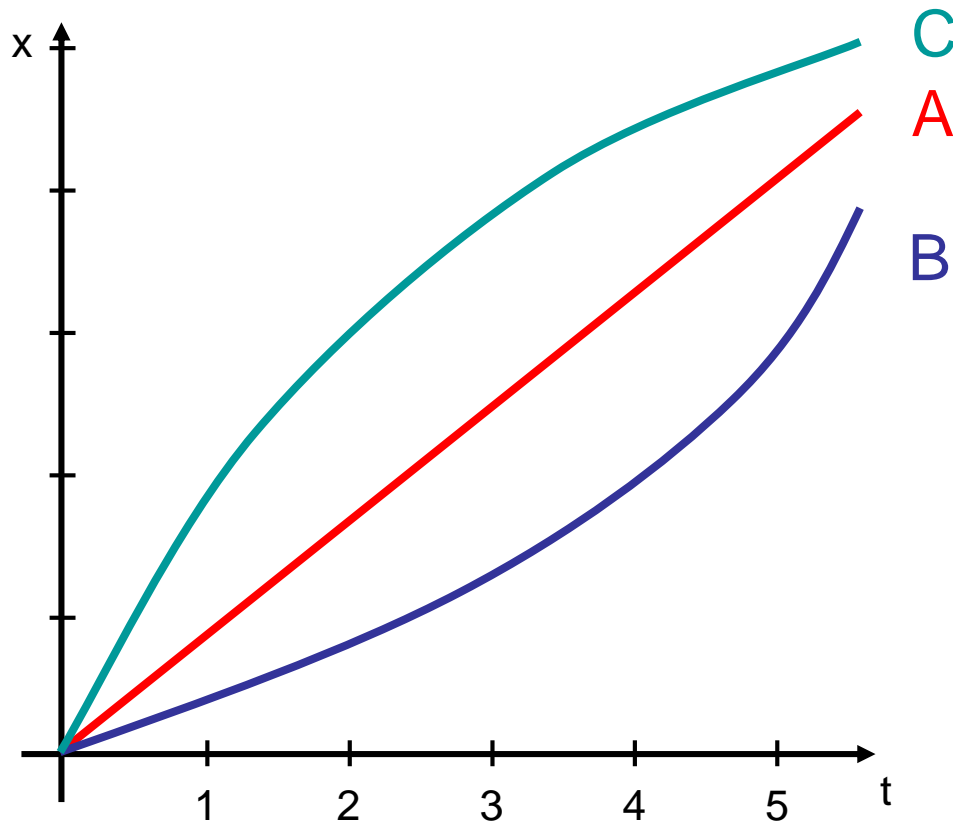


Usually assume object starts at $x = 0$ at $t = 0$

Equally spaced time intervals



Both objects move to the right (+) but **A** is moving faster.



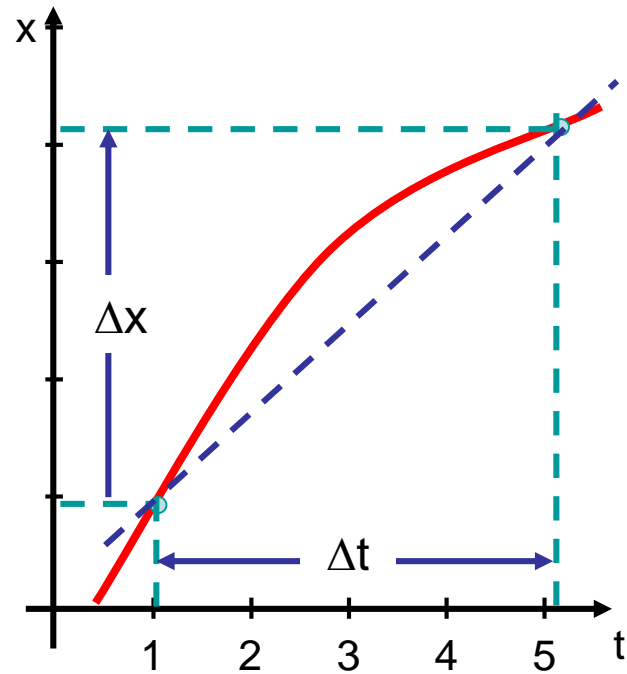
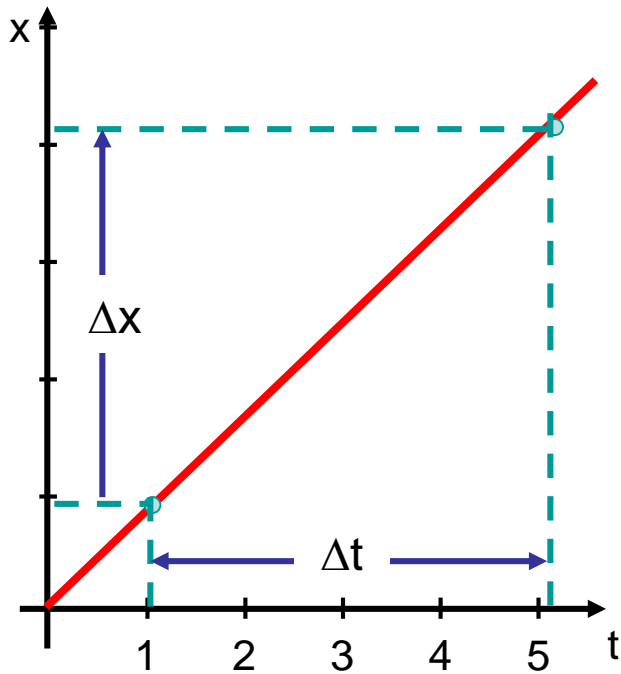
Sketch 3 objects moving to left.
A – constant
B – speeding up
C – slowing down

A, B, & C moving right (+)

A constant speed. B speeding up.

C slowing down.

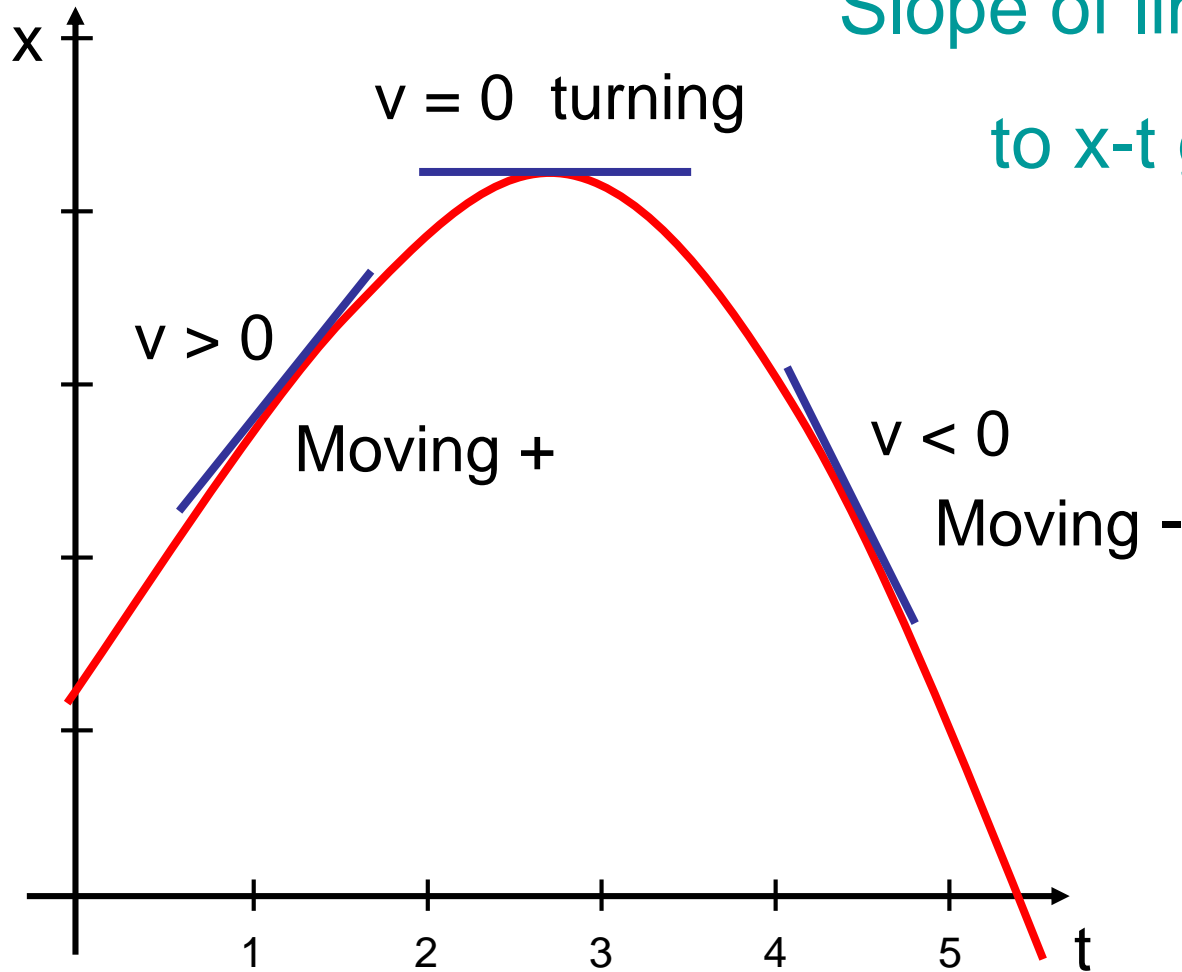
Average Velocity $\vec{v}_{average} = \frac{\Delta \vec{x}}{\Delta t}$



Velocity

$$\vec{v} = \lim_{\Delta t \rightarrow 0} \frac{\Delta \vec{x}}{\Delta t} = \frac{d\vec{x}}{dt}$$

Slope of line tangent
to x-t graph



OHQ