# TEST - Wednesday!!

## Velocity

- d-t graphs → v-t graphs
  - → description
- description → d-t graph + v-t graph
- significance of slope on d-t graph
  - constant velocity → slope of line (any 2 pts)
  - changing velocity → average velocity (slope between 2 pts for time interval)
    - → instantaneous velocity (slope of the tangent)
- velocity problems $\left(v = \frac{\Delta d}{\Delta t}\right)$

## Acceleration

- v-t graph → a-t graph
  - → description of motion
- description → v-t graph → a-t graph.
- significance of slope on v-t graph
  - constant acc → slope between any 2 pts.
  - changing acc → average acceleration (slope b/w two points for the time interval)
    - → instantaneous acceleration (slope of the tangent)
- acceleration equation $\left(a = \frac{\Delta V}{\Delta t}\right)$ $\Delta V = V_2 - V_1$