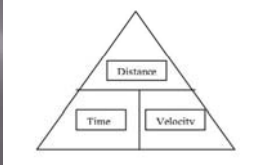


REVIEW MOTION AND UNITS

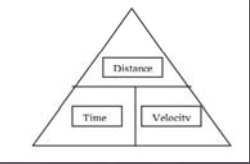
DTV Triangle

- When to use it
- Get the Units Right



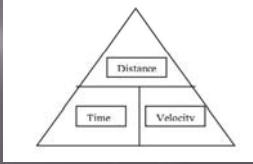
Velocity (speed)

- $V = D/T$
- Units = m/s



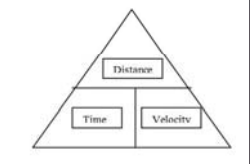
Time

- $T = D/V$
- Units = s



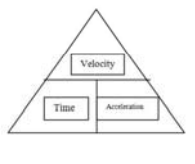
Distance

- $D = T * V$
- Units = m



VTA Triangle

- When to use it
- Get the Units Right



Acceleration

$A = V/T = (v_2 - v_1)/(t_2 - t_1)$

Units = m/s^2

Positive or Negative

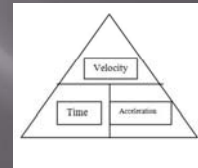


Velocity

$V = T * A$

Units = m/s

Positive or Negative



Time

$T = V/A$

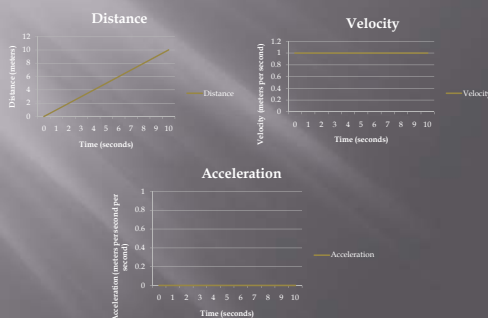
Units = s

Time is NEVER negative



MOTION GRAPHS

Constant Velocity Graphs



Constant Acceleration Graphs

