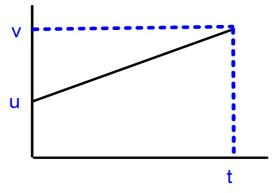
Derive the Kinematic Equations: Part 1:



$$v = s / t$$

$$a = (v - u) / t$$

Solve for displacement (s) in terms of initial velocity (u), final velocity (v) and time (t)

Part 2:

Solve for displacement (s) in terms of initial velocity (u), acceleration (a) and time (t)

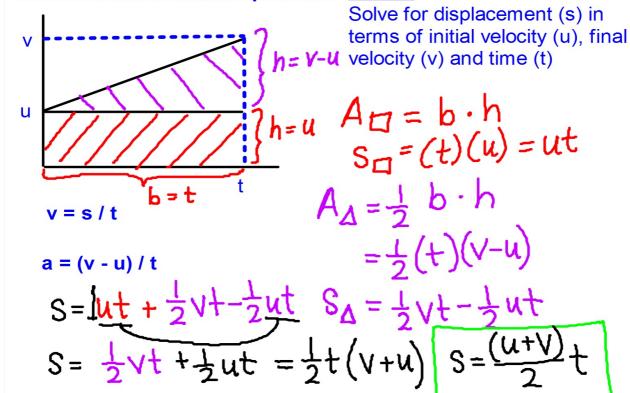
Part 3:

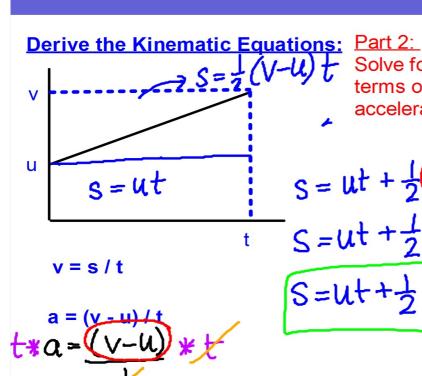
Solve for final velocity (v) in terms of initial velocity (u), acceleration (a) and time (t)

Part 4:

Solve for final velocity squared (v2) in terms of initial velocity squared (u2), acceleration (a) and displacement (s)

Derive the Kinematic Equations: Part 1:





ations: Part 2:
Solve for displacement (s) in terms of initial velocity (u), acceleration (a) and time (t)
$$S = ut + \frac{1}{2}(v-u)t$$

$$S = ut + \frac{1}{2}(at)t$$

$$S = ut + \frac{1}{2}at^{2}$$

