

Kinematic equation

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Use when the acceleration is constant

- Do not use $v=s/t$ because this is use for constant velocity which is not constant acceleration
- Need unbalanced force

$$s = \frac{u+v}{2} t$$

$$v = u + at$$

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

$$v^2 = u^2 + 2as$$

When doing the question,

1. find the knowing variable and list out
2. Find the equation that help you answer question