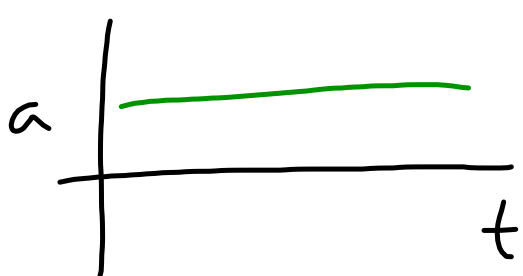


$$\text{slope} = \frac{v_f - v_i}{t_f - t_i}$$



$$\bar{a} = \frac{\Delta \bar{v}}{\Delta t}$$

Kinematics Equations

$$\bar{v}_f = \bar{v}_i + \bar{a}t$$

$$\Delta \bar{x} = \bar{v}_i t + \frac{1}{2} \bar{a} t^2$$

$$\bar{v}_f^2 = \bar{v}_i^2 + 2 \bar{a} \Delta \bar{x}$$

$\Delta \bar{x} \rightarrow$ displacement (change in position)

$\bar{v}_i \rightarrow$ initial velocity

$\bar{v}_f \rightarrow$ final velocity

$\bar{a} \rightarrow$ acceleration

$t \rightarrow$ time