



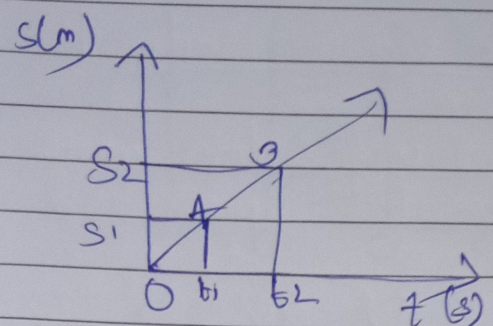








### Distance time Graph



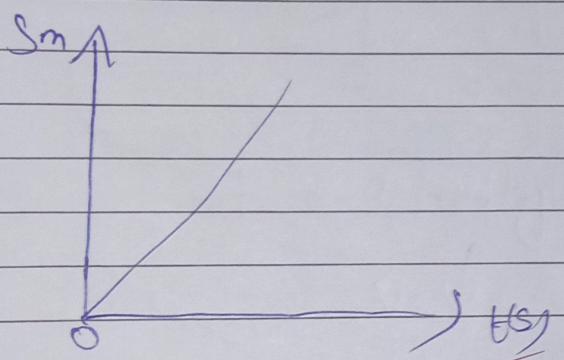
S = Distance  
t = time  
V = Velocity / speed

$$v = \frac{s}{t}$$

$$v = \frac{s_2 - s_1}{t_2 - t_1}$$

Uniform Speed / velocity.

### velocity time graphs



~~non-uniform speed~~







$$S = \frac{(v+u)(v-u)}{2a}$$

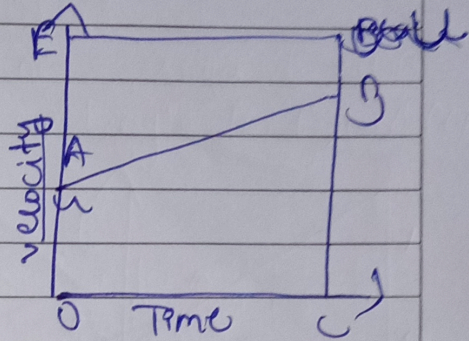
$$2as = v^2 - u^2$$

$$v^2 - u^2 = 2as$$

$$\left[ a^2 - b^2 = (a+b)(a-b) \right]$$

Dist or speed of a circular path

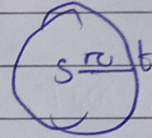
$$v^2 - u^2 = 2as$$



$$D = 2\pi r$$

$$S = \frac{2\pi r}{t}$$

$$\left( \pi = \frac{22}{7} \right)$$



Teacher's Signature : \_\_\_\_\_

~~6/4/23~~