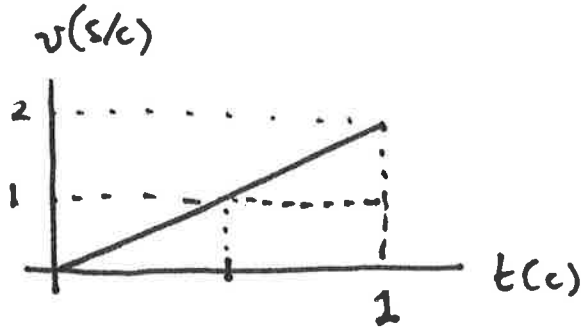
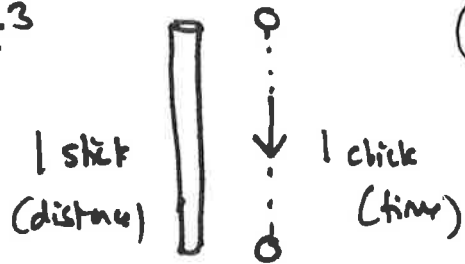


ASG v2

Ex 9.3

(Cartaway kinematics)



a)  $v_{avg} = 1 \text{ s/c}$

b)  $v_{final} = 2 \text{ s/c}$

c)  $a = 2 \text{ s/c}^2$   
↑ numerical value  
units

d)  $d = \frac{1}{2} at^2$

$$t = \sqrt{2d/a} = \sqrt{\frac{2 \cdot 2 \text{ sticks}}{2 \text{ s/c}^2}} = \sqrt{2}$$

$$= \sqrt{2} \text{ clicks}$$