Samual Chamali, 21881

a) At,
$$t_a = t_P$$

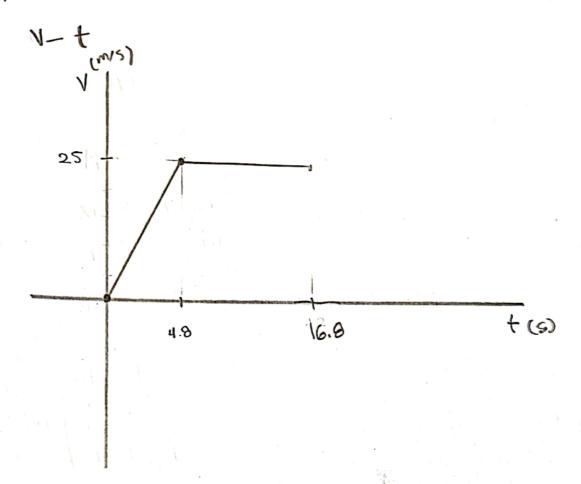
a)
$$y = y_0 + Vy_0 + \frac{1}{2} g + \frac{1}{2}$$
 $V_{1} = V_{1} + \frac{1}{2} g + \frac{1}{$

Datos
$$V_i = 0 \, \text{m/s}$$

$$X_i = -10 \, \text{m}$$

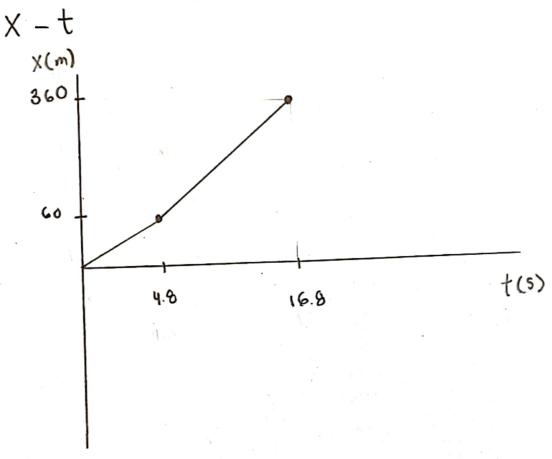
$$A_i =$$

$$+(cm o) \begin{cases} \Delta t = 12s \\ \sqrt{2sm/s} \\ 0 = 10 \end{cases}$$



$$V_f = V_1 + Qt$$

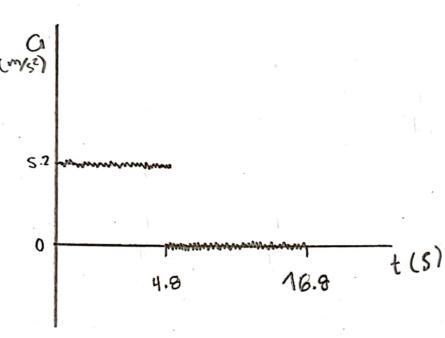
 $25m/s = Om/s + 5.2 t$
 $t = \frac{25}{5.2} = 4.8 s$



$$t_{rano} = X_0 + V_0(t) + \frac{1}{2} a t^2 = 0 + 0 + \frac{1}{2} 5.2(4.8)^2 = 59.9 \approx 60 m^{-1}$$

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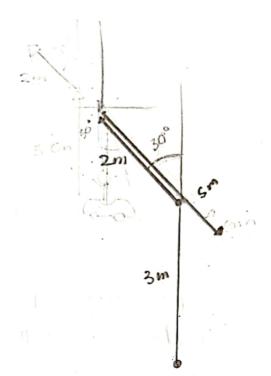


$$(0 \le t \le 4.8) \{ a = 5.2 \}$$

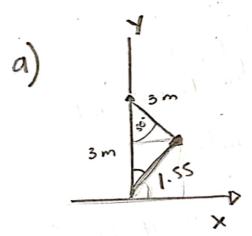
 $(4.8 \le t \le 16.8) \{ a = 0 \}$

- b) La coordenada final x de la particula es 360 m/
- c) FI trampo en al que alcanzo 25 m/s fue de 4.88/





b) La distancio recomda fue de 10m/



a) El desplazamiento fue 1.55 a 75° del pinto inicial.

$$R^2 = P^2 + Q^2 - 2PQ \cos(30)$$

$$R^2 = 3^2 + 3^2 - 2(5)(5)(65)(30^\circ)$$

$$\frac{\text{son R}}{R} = \frac{\text{son B}}{b}$$

$$son R = \frac{\text{son B}}{b} \cdot R$$

$$r = ron^{-1} \left(\frac{\text{son B}}{b} \cdot R \right)$$

$$r = 75^{\circ}$$