1

Datos

a) At,
$$t_a = t_p$$

b) By,
$$Y_{fa} = Y_{f} P$$

y = y + Vyot - 12 9t2 Ita = Ito $\frac{\sqrt{9.81}}{2}t^{2} = 0 + 21t - \frac{9.81}{1}t^{2}$ -12+8t -12+8t = 21t (-0.92)= $y = y_0 + v_y 0 t - \frac{1}{2} g t^2$ $9.81 \left(0.92\right)^{2} = -23.51/2$ Ascansor $Y_{fp} = 0 + 21(0.02) - \frac{4.81}{2}(-0.02)^2 = -23.97 =$

22,50

Datos

$$V_{i} = 0 \, m/s^{2}$$

$$X_{i} = -19 \, m$$

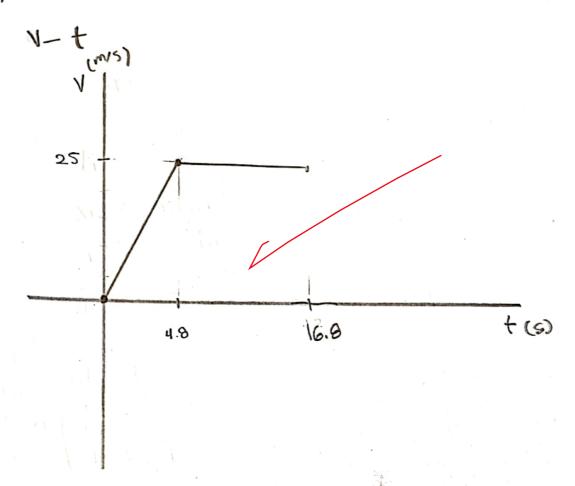
$$0 = 5.2 \, m/s^{2}$$

$$V_{f} = 25 \, m/s$$

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

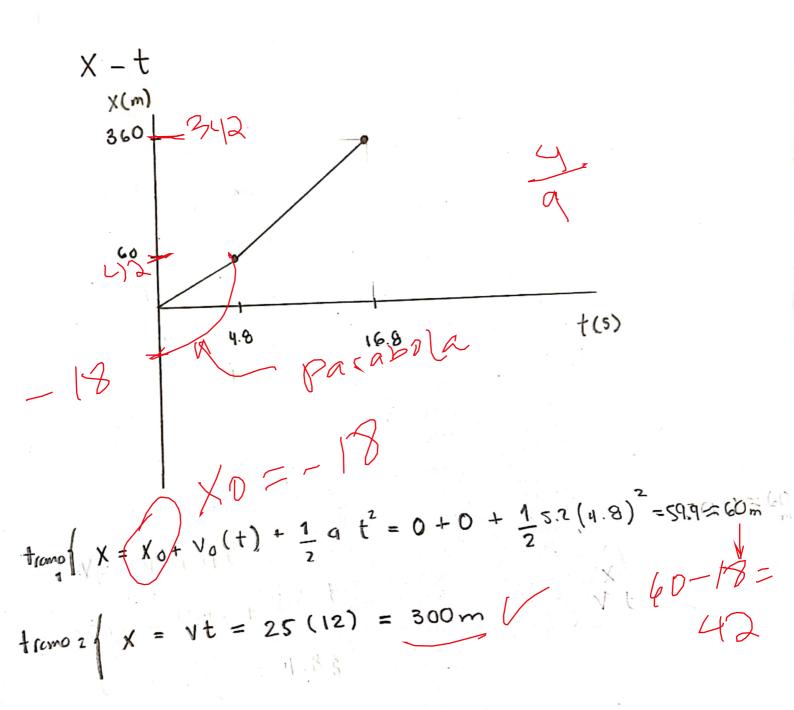
$$0 = 0$$

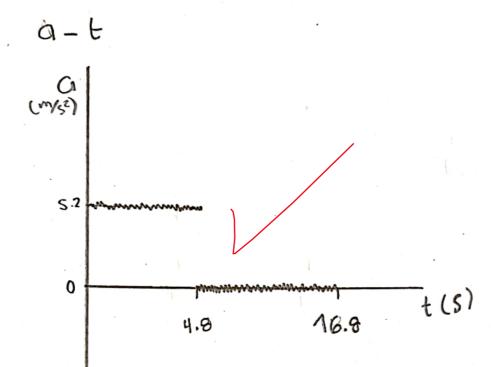
a)



$$V_f = V_i + Qt$$

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





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

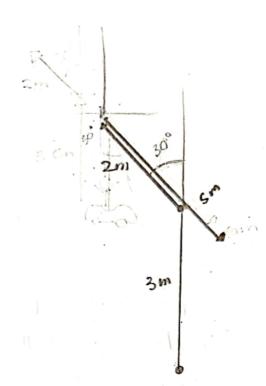
 $(4.8 \le t \le 16.8) \{ a = 6 \}$

b) La coordenada final x de la particula
es 360m/ - 2

c) Fl +19mpo en el que alcanzo 25 m/s fue de 4.88/1

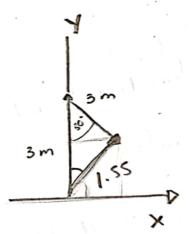
Jan Jan





b) La distancio recomda fue de





a) El desplazamiento

R2 = P2 + Q2 - 2PQ cos((30))

 $R^2 = 3^2 + 3^2 - 2(5)(5)(6)(30^\circ)$

18 - 18 (Os(30°)

$$L = 12a$$

$$L = 10u_1(20u_B \cdot b)$$

Escaneado con CamScanner