Parcial 1

$$a \rightarrow t_{z}=2s$$

$$v_{f}=v_{(z)}=\overline{za}$$

$$v_{s}=0$$

$$X_f = X = X_o + 1/6t + \frac{1}{2}at^2 \longrightarrow X = Za m$$

$$\langle \varphi \rangle = 10^{2}$$

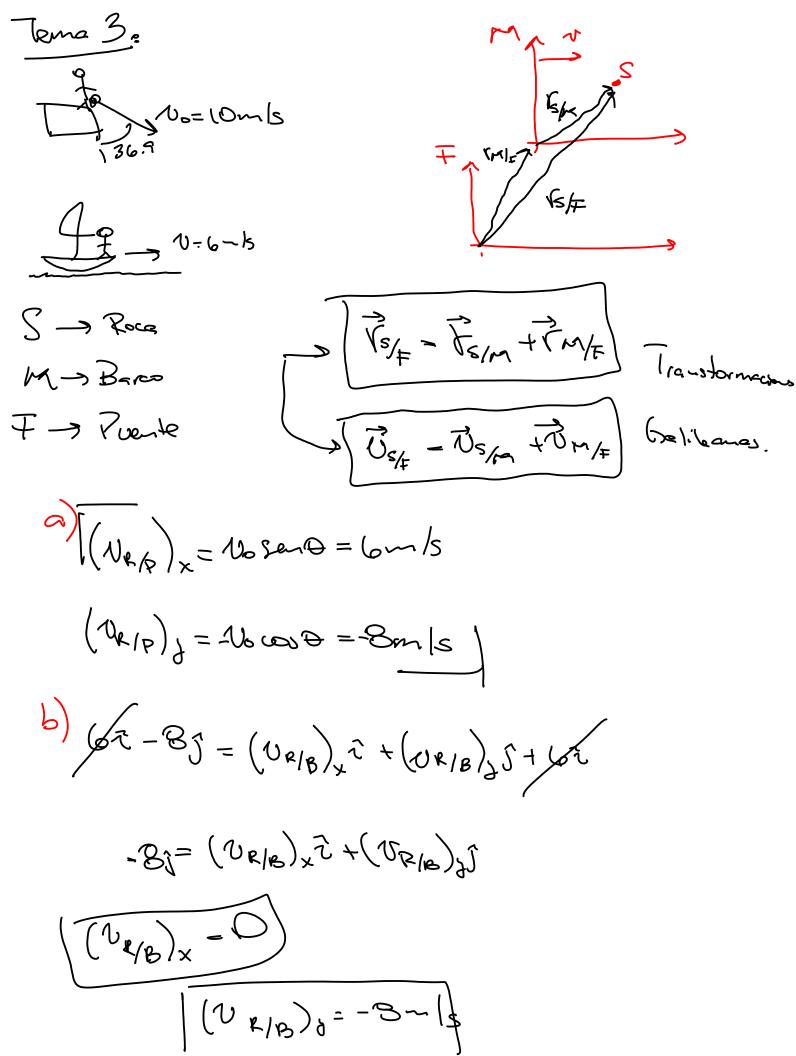
$$= 2a(6)$$

$$Q = \frac{SD}{9} \text{ m/s}^2$$

Jens Z: Bra X: / Nx 1+> = No sen = 0.6 Vo 1.00.0 = J. (3/20= (4)X Pary: (1/16)=100000-gt Lan (36.9) = cog (53.1) 501-W8.0= Y(4) = vocusot - 19t2 =0.80,t-5t2

b) $t_s = 7s$. $y_t = 100000 - 9t = 10_{10} = 0 = 0.800 - 20$ $N_t = 0$ $N_t = 0$ $N_t = 0$

> $y(z) = 0.8(25)(2) - 5(2)^2$ y(z) = 20mHmax = 28m



Bills = (750cos5 - 560se v) ? + (750sen 5 + 560 cos 21)] mi 1 = (546.462+588.175)mi (IRI, 0) = (302.8m;, 47.1°)

Guerrite de Dallos.

 $X = \frac{2v^2[\tan \alpha - \tan \beta]}{g(\cos^2 \alpha - \cos^2 \beta)}$ $R = \frac{20.3 \text{ senb cos } (9+4)}{3003 \text{ b}}$

Centro - 3 (4,6)m

Ejs a) Zumla Harb b) No-15 Norte

C) 20.4~/ A- 78.69° 9/ Norte del Este.

$$Q_{c} = \frac{v^{2}}{R} \rightarrow R = \frac{v^{2}}{ac} = 2m$$

$$Centro = (4,4)+(0,2) = (4,6)$$