GUIA 7

Arena
$$\Delta P = (m.V)_z - (mV)_1 = 10^3 \text{ Kg. V}$$

$$Co V = 0 \text{ dodo g.e parte del reposo}$$

$$Vodo g.e J = \frac{2}{10000} \text{ M. S}$$

$$J = \Delta P$$

$$S = \frac{1}{10000000} \text{ Kg. V}$$

$$10000 = \frac{1}{2} \text{ N. S}$$

$$S = \frac{1}{10000000} \text{ Kg. V}$$

$$S0000 = \frac{1}{2} \text{ V} - \text{o Velocided (inal)}$$

$$Ror lo tanto:$$

$$\Delta P = 10^{-1} \text{ Kg. } S0000 = \frac{1}{2000}$$

$$Ror otro port($$

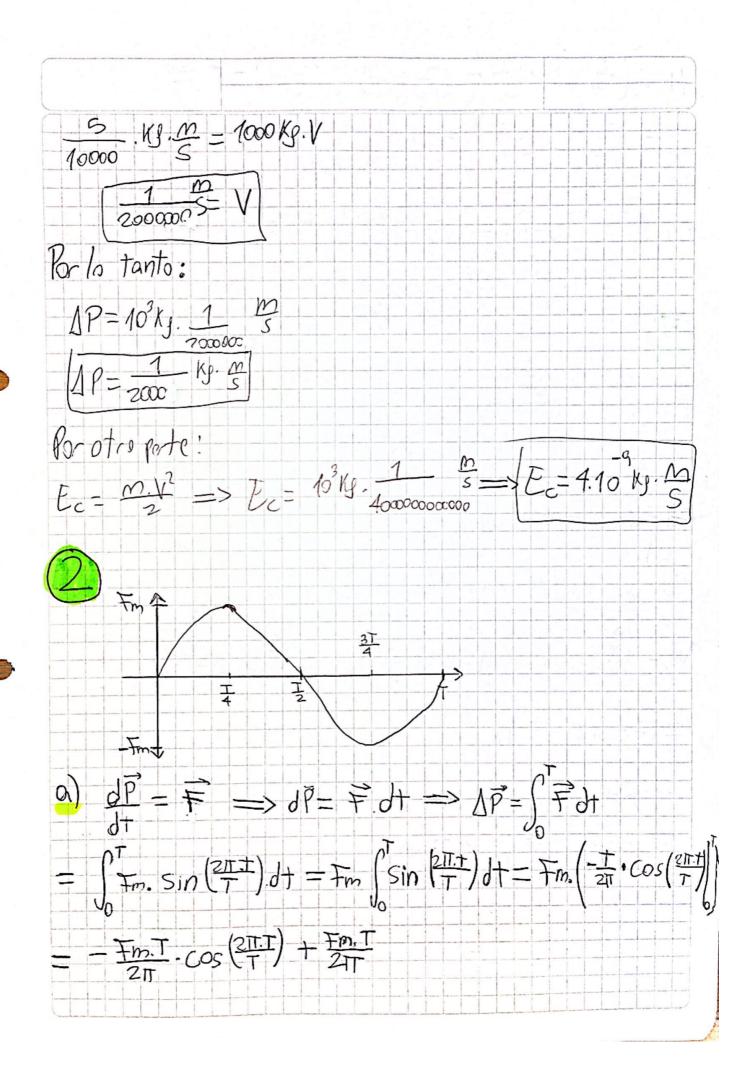
$$E_e = \frac{m.V^2}{2} = \frac{1}{100000000} \text{ Ks. } \frac{m^2}{5} = \frac{2500000000}{100000000} \text{ Ks. } \frac{m^2}{5} = \frac{255 \text{ Kg. } m^2}{5}$$

$$Hielo$$

$$\Delta P = (m.V)_z - (m.V)_1 = 10^{-3} \text{ Kg. V}$$

$$CoV = 0 \text{ dodo give Parte del reposo}$$

Dado que J= 5 N.S: J = Ap 5 Kg. M = 1 Kg. V 1 m = V Por lotanto: AP= 103kg. 2m DP = 1 / 1/5 Por otca parte:  $E = \frac{\text{m.V}^2}{2}$ Ec= 1000 4 52 Ec= 1 Kg. m2 Automóvil  $\Delta P = (m.V)_{2} - (m.V)_{1} = 10^{3} \text{ kg} \cdot V$ COV=0 dodo que porte del reposo Dado sue J = 5 N.S; J=AP



b) 
$$P(\frac{1}{2}) - P(0) = \left(\frac{1}{2\pi} \cdot \cos(\pi) + \frac{1}{2\pi}\right) - \left(\frac{1}{2\pi} \cdot \cos(\pi) + \frac{1}{2\pi}\right)$$

$$= \frac{1}{2\pi} + \frac{1}{2\pi} - \frac{1}{2\pi} = \left(\frac{1}{2\pi}\right)$$

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$$= \frac{1}{2\pi} - \frac{1}{2\pi}$$

$$= \frac{1}{2\pi} - \frac{1}$$

 $\frac{\text{m} V^2}{2} = (\mp \cos(\theta) - \mp_{\Gamma}) \times \Rightarrow V = \pm \sqrt{\frac{2}{m}} (\mp \cos(\theta) - \mp_{\Gamma})^{T}$  $Q_{\chi} = \frac{F.COS(0) - FF}{m}$   $V_{\chi} = \frac{F.COS(0) - FF}{m} - \frac{1}{T}$  $X_{r} = \frac{(F.\cos(\theta) - Fr) \cdot f^{2}}{2m}$ c) for @ 0=0;  $0 = \frac{F.co(\theta) - Fr}{m}$ Fr = F. cos(0)