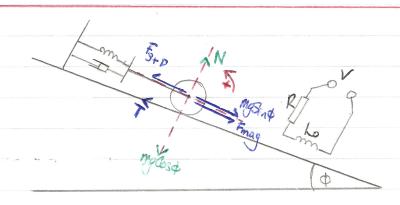
AI)



$$N - mg \cos \phi = 0$$

$$\overline{f_{mag}} = \frac{CI^2}{y^2}$$

$$= C\left(\frac{I}{\delta - x}\right)^2$$

$$T = \frac{-I}{R} \left(\frac{-\ddot{z}}{R} \right) = \frac{I \ddot{z}}{R} \qquad I = 2 m R^2$$

$$I = 2 m R^2$$

$$T = \frac{2mk\ddot{z}}{R} = \frac{2m\ddot{z}}{5}$$

$$F_{s+0}$$
: $F_s = \sum_{s=0}^{\infty} F_s = k(x-\delta)$

$$F_{s+0} = k(x-\delta) + bx$$

$$mgSin\phi + c \left[\frac{T}{(8-x)}\right]^{2} - 2m\dot{x} - k(x-\delta) - b\dot{x} = m\dot{x}$$

$$\operatorname{mgSin} + c \left[\frac{I}{(\delta - x)} \right]^{2} - k(x - \delta) - b\dot{x} = \frac{7m\dot{x}}{5} \qquad (1)$$

