



INSTITUTO POLITÉCNICO NACIONAL  
CECyT 10 "CARLOS VALLEJO MÁRQUEZ"



## FORMULARIO DE FÍSICA I

|                         |                              |  |  |
|-------------------------|------------------------------|--|--|
| $E_a = V_o - V_a$       | $g = 9.8 \frac{m}{s^2}$      | $d = V_o \times t - \frac{1}{2} a t^2$   | $\theta = \text{tang}^{-1} \left( \frac{y}{x} \right)$ |
| $t = \frac{V_f}{g}$     | Área = $\pi r^2 = 0.785 D^2$ | $a = \frac{V_f - V_o}{t}$                | $d = \frac{v_f^2 - v_o^2}{2a}$                         |
| $E_r = \frac{E_a}{V_a}$ | $F = W = m * g$              | $\Sigma M F_o = 0$                       | $\Sigma F_y = 0$                                       |
| $W = m * g$             | $v_f = \sqrt{2 * g * h}$     | $R = \sqrt{x^2 + y^2 - 2xy \cos \theta}$ | $D = \frac{m}{v}$                                      |