

RESPOSTAS:

1- (a) $1,03 \times 10^{-1} \text{ rad/s}$ (b) $1,12 \times 10^{-1} \text{ rad/s}$. 2- (a) $1,43 \times 10^{-2} \text{ kg m}^2$. (b) $-1,2(\text{rad/s}^2)\mathbf{k}$. (d) 4,97 N e 4,63 N. (e) $-1,72 \times 10^{-2} (\text{N m})\mathbf{k}$. 3-(a) $2\theta/t^2$ (b) $2R\theta/t^2$ (c) $T_1=M(g-2R\theta/t^2)$; $T_2=Mg - (2\theta/t^2)(MR+I/R)$. 4- partícula
5-(a) $\mu_c MgR \mathbf{k}$; (b) $\omega=(-\omega_0 + \alpha t)\mathbf{k}$; (c) $t= \omega_0 R/(2\mu_c g)$.