Answers Exam 3 2013

2) $F_r = m\left[-2r_0 c_1 \omega_0^2 \cos\theta - r_0 \omega_0^2\right]$

$F_\theta = m\left[-2r_0 c_1 \omega_0^2 \sin\theta\right]$

3) $\cos\theta_2 = \frac{1}{4}\left(3 + \cos\theta_1\right)$

4) $\alpha = \dfrac{4 s^2 \omega_0 c_1 t}{\left(s - c_1 t^2\right)^3}$