

Hw23a

Thursday, April 13, 2017 6:50 AM

1.

$$\omega_2 = \left(\frac{R_1}{R_2} \right)^2 \omega_1$$

$$2. \quad \omega_f = \frac{16}{17} \omega - \frac{2}{17} \frac{V}{R}$$

$$3. \quad \underline{I} = \frac{1}{9} ML^2$$

$$\omega_{fz} = \frac{ML\omega_0 - 6mv\cos\theta}{ML + 4mL}$$

$$4. \quad \omega_f = \frac{91}{99} \omega$$