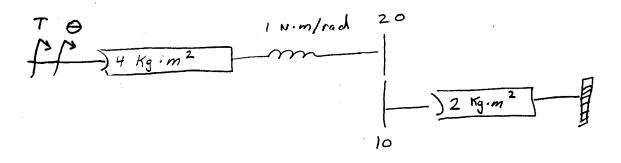
NAME:

Honor Code:



(eg2)
$$\Theta_2(2)[8L^2+1]+\Theta(L)[-1]=0$$

(egg) says
$$\theta_2 = \frac{\Theta(A)}{8a^2 + 1}$$

 $\therefore \Theta(a) \left[\frac{4a^2 + 1}{8a^2 + 1} - \Theta(a) \left[\frac{1}{8a^2 + 1} \right] = T(2) \right]$
 $\Theta(a) \left[\frac{32a^4 + 12a^2}{8a^2 + 1} \right] = T(2) \left[\frac{\Theta(2)}{T(2)} = \frac{8a^2 + 1}{32a^4 + 12a^2} \right]$