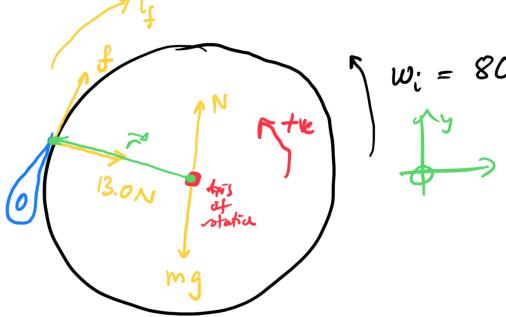
## Assignment 7



$$M = 83 \text{ bg}$$
 $V = 0.370 \text{ m}$ 



- 1) ideatify all forces
- D Unose a coordinate systèm.
  - (i) choose an axis of rotation
  - (ii) thoose +ve diretiu.

3 
$$T_{ms} = (|\vec{r}||F||\sin\theta = 0)$$

b) "to not" 
$$\omega_f = 0$$

$$w_i = 80 \text{ pm}$$

$$= 80 \frac{\text{rest}}{\text{pm}} \times \frac{2\pi \omega}{\text{rest}} \times \frac{4\pi}{60}$$

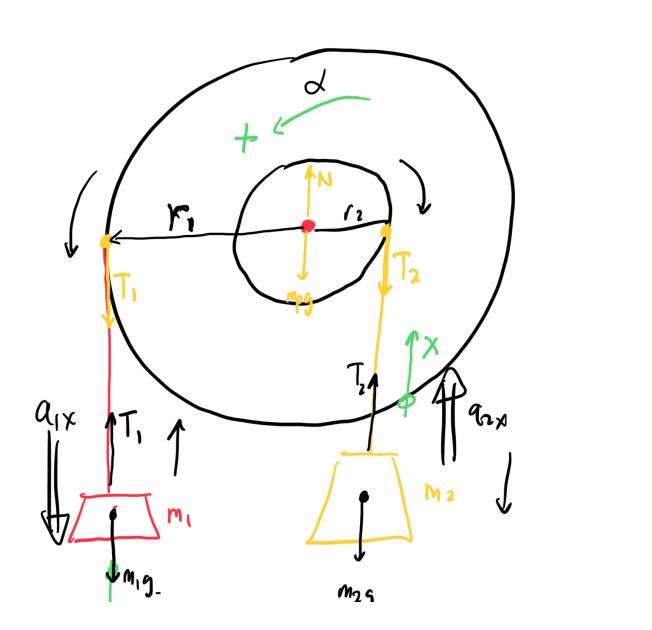
$$= 8.378 \text{ val/s}$$

$$\alpha = -0.339 \text{ val/s}$$

$$\int_{S}^{\infty} = \omega_{i}^{2} + 2d\Delta\theta$$

$$\Delta \theta = \frac{-\omega_{l}^{2}}{2d} = 103.5 \text{ rad}$$

103.5 rad



MIS 1711F1 su # pulley: - | P | F | 5/10

1

## Hwis & reldel to 9,x, 92x.

$$Q_{1x} = r_1 d$$

$$Q_{2x} = r_2 d$$

- $0.8 T_1 = 0.51 d$
- $T_2 25.48 = 0.52 d$

Wolfer Alpha.

$$a_1 = r_1 k = 0.0742 \text{ m/c}^2$$

$$a_1 = r_2 d = 0.0095 m/s^2$$