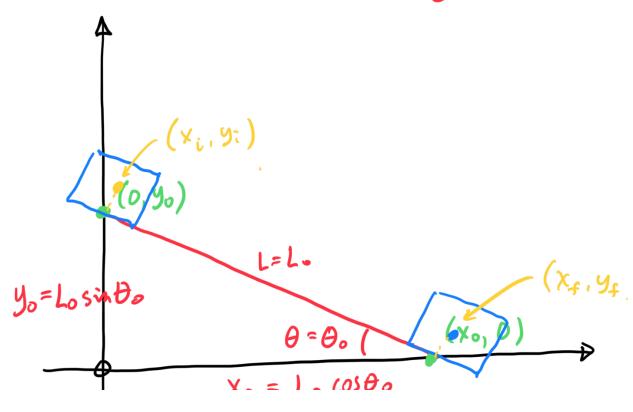
Assignment 5 - Question 3

- 1) Assume the slope is 2m long.
- ② Assume the package starts at x=0, and ends at y=0.
- 3 Assume that the box is "square"
 10 cm × 10 cm.

 28

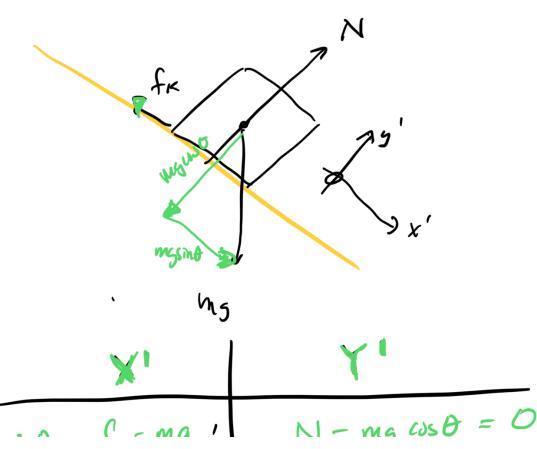


$$\chi_{i} = \left(\frac{y_{B}}{2}\right) \sin \theta_{o}$$

$$y_{i} = y_{o} + \left(\frac{y_{B}}{2}\right) \cos \theta_{o}$$

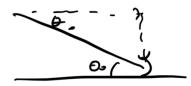
$$\chi_f = \chi_o + \left(\frac{y_B}{2}\right) \sin \theta_o$$

$$y_f = \left(\frac{y_B}{2}\right) \cos \theta_o$$



$$A_{x} = A_{x} \cos \theta_{0}$$

$$A_{y} = -A_{x} \sin \theta$$



N = mg cos 0

= MK mg cos A

fr= MKN

$$Vix = 0$$
 $Vix = 0$

$$\Delta x = v \cdot x t + \frac{1}{2} a_x t^2 = \frac{1}{2} a_x t^2$$

$$\Delta y = v \cdot y t + \frac{1}{3} a_y t^2 = \frac{1}{2} a_y t^2$$

$$\Delta y = v \cdot y t + \frac{1}{3} a_y t^2 = \frac{1}{2} a_y t^2$$

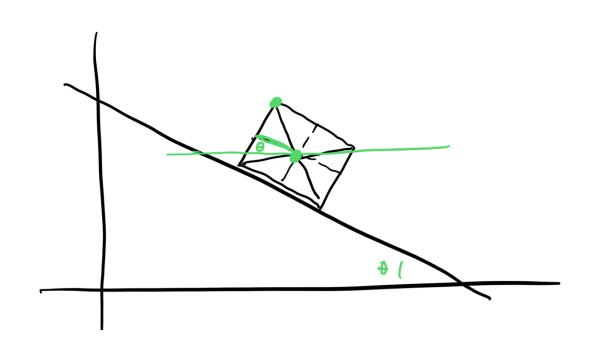
$$\Delta x = y \cdot t^{2} + \frac{1}{2} a t^{2}$$

$$v_{i}$$

$$a$$

$$t$$

$$\sqrt{\frac{2 \cdot \delta x}{a}}$$



	J		