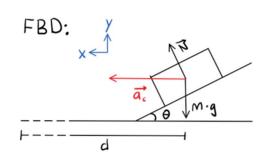
21-P-FA-AG-007



Given: V, d, m, g=9.8 =

Find 0

constant d means no movement in y - ZFy=0

$$\sum F_y = m \cdot \alpha_y^0 + N_y - m \cdot g = N \cdot \cos \Theta - m \cdot g = O \rightarrow N = \frac{m \cdot g}{\cos \Theta}$$

$$\textcircled{3} \rightarrow \textcircled{0} \quad \cancel{M} \cdot g \quad \frac{\sin \theta}{\cos \theta} = \cancel{M} \cdot \frac{y^2}{\Gamma} \quad \rightarrow \quad \tan \theta = \frac{y^2}{g \cdot \Gamma} \quad \rightarrow \quad \Theta = \tan^{-1} \left(\frac{y^2}{g \cdot \Gamma} \right)$$