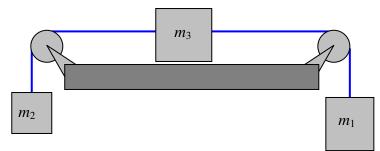
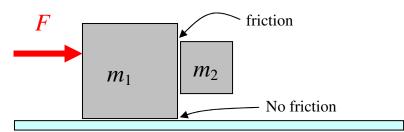
There is no friction between box 3 and the table.

Determine a_3 : given: m_1, m_2, m_3, g , and $m_1 > m_2$.

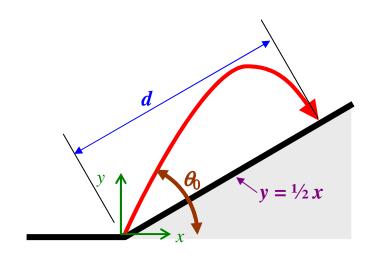


Force F is just barely large enough so that box 2 won't slide down to the ground.

Determine *F*: given: m_1 , m_2 , g, and $m_1 > m_2$.



Determine *d*: given: v_0 , θ_0 , and *g*.



Determine v_0 : given: H, R, θ_0 , and g.

