

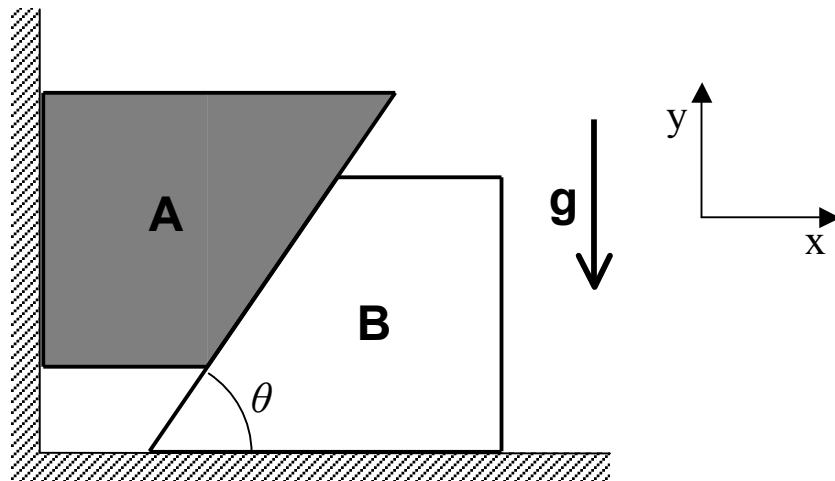
Homework H.4.F

Given: Blocks A and B (having masses of m_A and m_B , respectively) are released from rest. Assume that friction is negligible.

Find: Determine:

- The accelerations of A and B;
- The normal forces acting on A and B.

Hint: The component of acceleration normal to the contact surface is equal for A and B.



Use the following parameters in your analysis: $m_A = 160$ kg, $m_B = 80$ kg and $\theta = 30^\circ$.