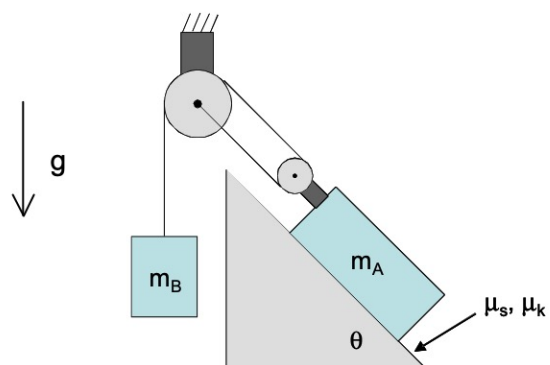## Homework H.4.C

Given: The system shown below is released from rest in the configuration shown.

Find: Determine:
(a) The acceleration of block A;
(b) The acceleration of block B;
(c) The tension in the cable.

Use the following parameters in your analysis: $m_A = 40$ kg, $m_B = 80$ kg, $\mu_s = 0.3$, $\mu_k = 0.15$ and $\theta = 60°$.