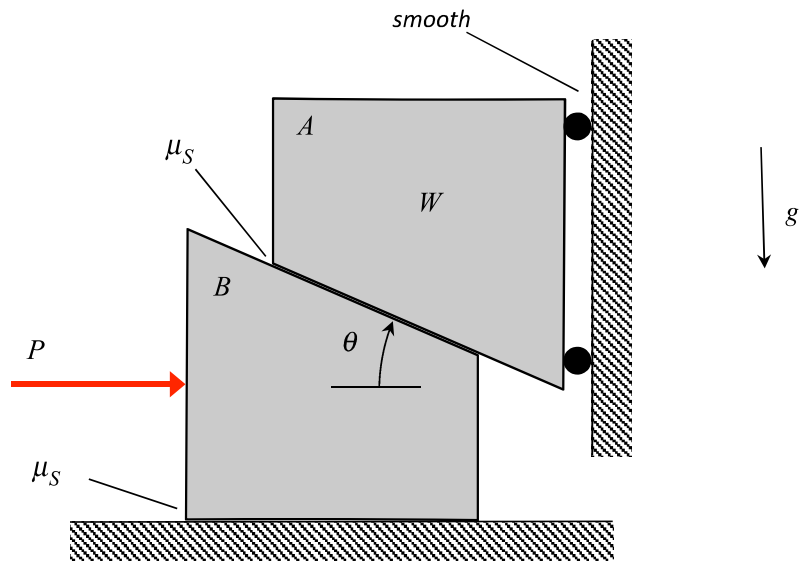Given: Wedge B is used to support block A having a weight of W. The weight of the wedge is negligible compared to the weight of the block.

Find: Determine the *largest* value of the load P for which the system can be in equilibrium. Leave your answer in terms of W.

Use the following: $\mu_S = 0.4$ and $\theta = 30°$.

Given: The quarter-circle block A (having a weight of W) is supported by wedge B. The weight of the wedge can be considered to be negligible.

Find: Determine the *minimum* force P on the wedge that is required to lift the block. Write your answer in terms of W.

Use the following: $\mu_S = 0.2$ and $\theta = 20°$.