

13–27. The 20-kg block  $A$  rests on the 60-kg plate  $B$  in the position shown. Neglecting the mass of the rope and pulley, and using the coefficients of kinetic friction indicated, determine the time needed for block  $A$  to slide 0.5 m *on the plate* when the system is released from rest.

**Problem 13–27**

