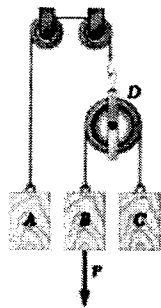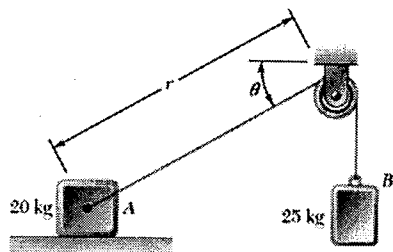## PROBLEM 12.126

Block A weighs 20 lb, and blocks B and C weigh 10 lb each. Knowing that the blocks are initially at rest and that B moves through 8 ft in 2 s, determine (a) the magnitude of the force P, (b) the tension in the cord AD. Neglect the masses of the pulleys and axle friction.

PROBLEM 12.72

The two blocks are released from rest when $r = 0.8$ m and $\theta = 30°$. Neglecting the mass of the pulley and the effect of friction in the pulley and between block A and the horizontal surface, determine (a) the initial tension in the cable, (b) the initial acceleration of block A, (c) the initial acceleration of block B.