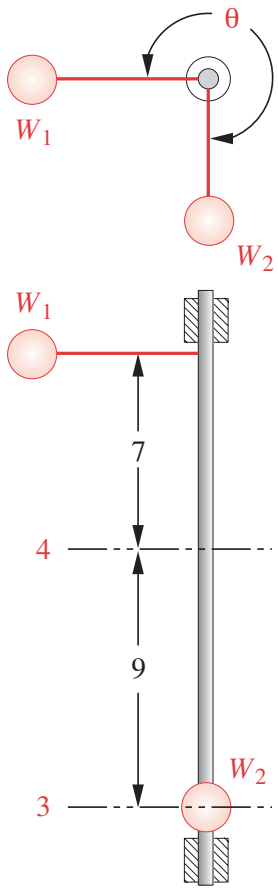

FIGURE P12-3
Problem 12-13

†12-13 Figure P12-3 shows a system with two weights on a rotating shaft. W_1 = 15 lb @ 0° at a 6-in radius and W_2 = 20 lb @ 270° at a 5-in radius. Determine the magnitudes and angles of the balance weights needed to dynamically balance the system. The balance weight in plane 3 is placed at a radius of 5 in and in plane 4 of 8 in.

† These problems are suited to solution using *Mathcad, Matlab,* or T*KSolver* equation solver programs.