

**FIGURE P15-1**

Problems 15-7 (p. 779) to 15-11

- 15-27 A cam-follower system similar to that shown in Figure P15-1 (p. 780) has a lumped mass of 2.5 kg, lumped stiffness of 4 N/mm, and a damping coefficient of 12.0 kg/s. If the forcing frequency is 80 rpm, determine the resulting amplitude ratio.