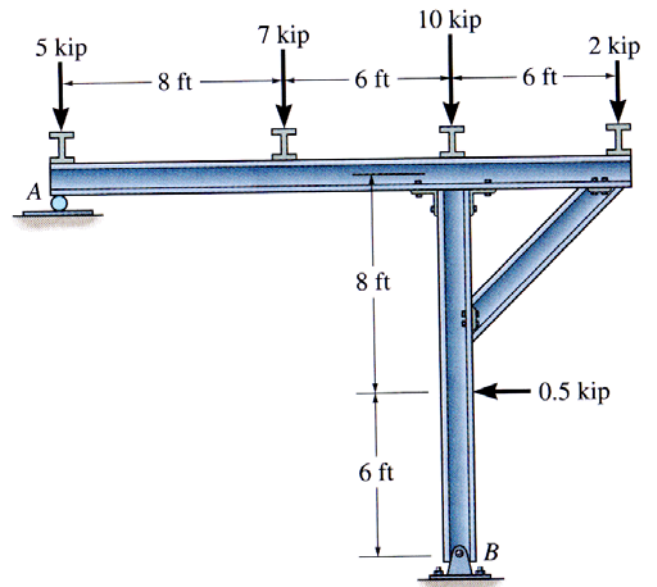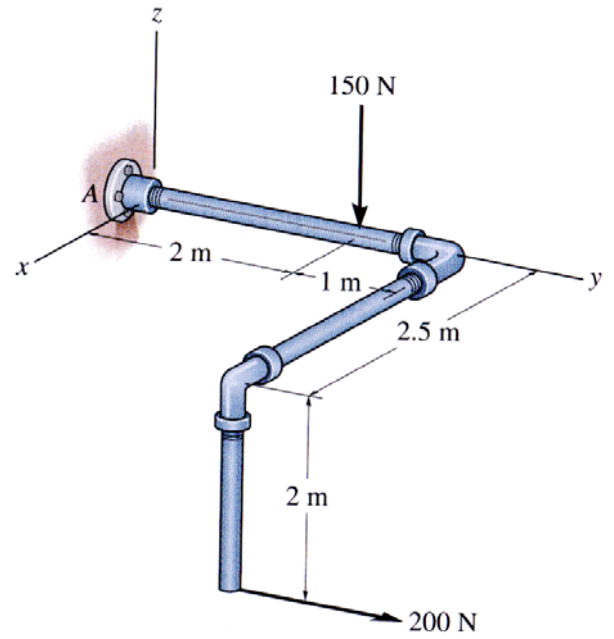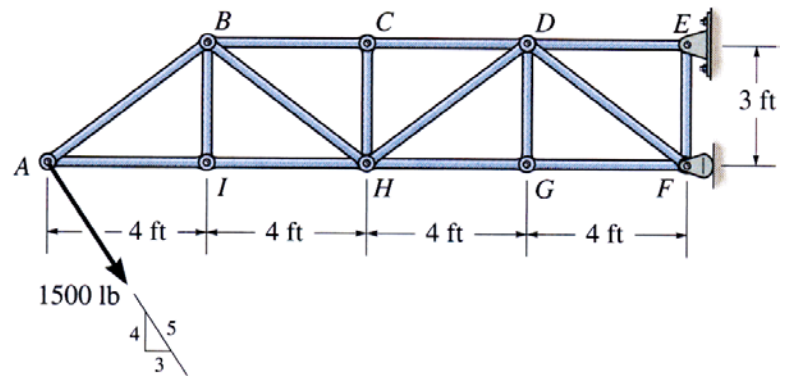1. Determine the reactions at the supports A and *B* of
   the frame. *Specify reaction directions on your answers.*

2. Determine the reaction at the fixed wall A. The 150-N force is parallel to the z axis and the 200-N force is parallel to the y axis. *Specify reaction directions on your answers.*

3. Determine the force in members *CD*, *CH*, *BH*, and *IH* of the truss, and state if the members are in tension or compression.

4. The two-member structure is connected at *C* by a pin, which is fixed to *BDE* and passes through the smooth slot in member *AC*. Determine the reactions at the ground supports *A*, *D*, and *E*. *Specify reaction directions on your answers.*

500 lb

B

C

E

D

4 ft

A 600 lb · ft

3 ft 3 ft 2 ft