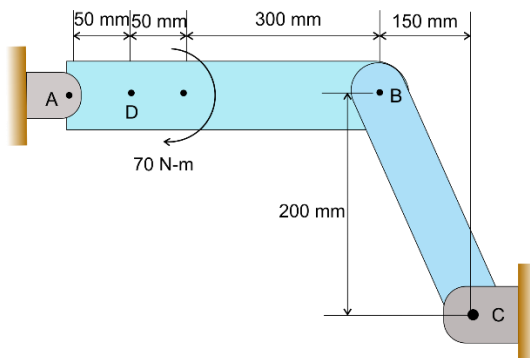
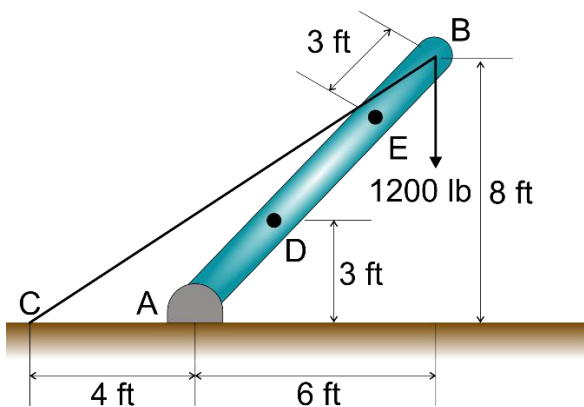


Homework #1

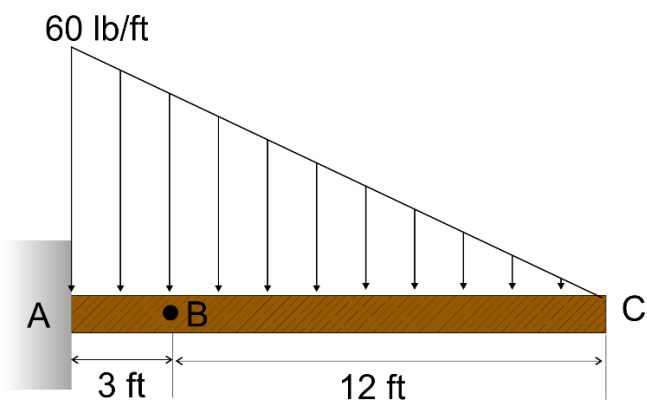
1. Determine the resultant internal loadings acting on the cross section through point D of member AB.



2. The beam AB is supported by a pin at A and a cable BC. Find the resultant internal loadings acting on the cross section at point D.



3. Determine the resultant internal loadings acting on the cross section at B.



4. Find the resultant internal loadings acting on the cross section through point B of the signpost. The post is fixed to the ground at A and a uniform pressure of 7 lb/ft^2 acts perpendicular to the face of the sign.

