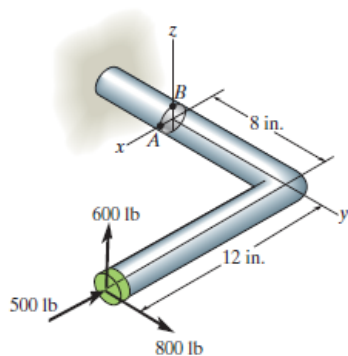


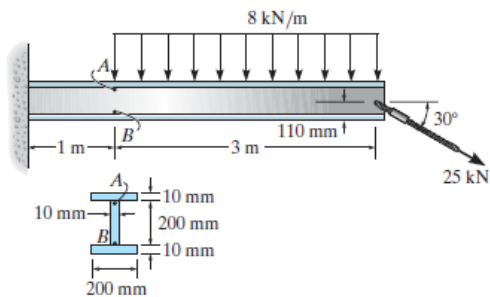
•8-57. The 2-in.-diameter rod is subjected to the loads shown. Determine the state of stress at point A , and show the results on a differential element located at this point.

8-58. The 2-in.-diameter rod is subjected to the loads shown. Determine the state of stress at point B , and show the results on a differential element located at this point.



Probs. 8-57/58

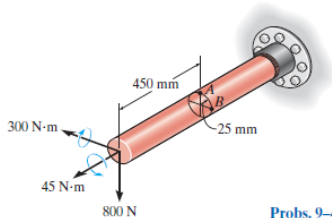
*9-28. The wide-flange beam is subjected to the loading shown. Determine the principal stress in the beam at point A and at point B . These points are located at the top and bottom of the web, respectively. Although it is not very accurate, use the shear formula to determine the shear stress.



Prob. 9-28

9-47. The solid shaft is subjected to a torque, bending moment, and shear force as shown. Determine the principal stresses acting at point A .

*9-48. Solve Prob. 9-47 for point B .



Probs. 9-47/48