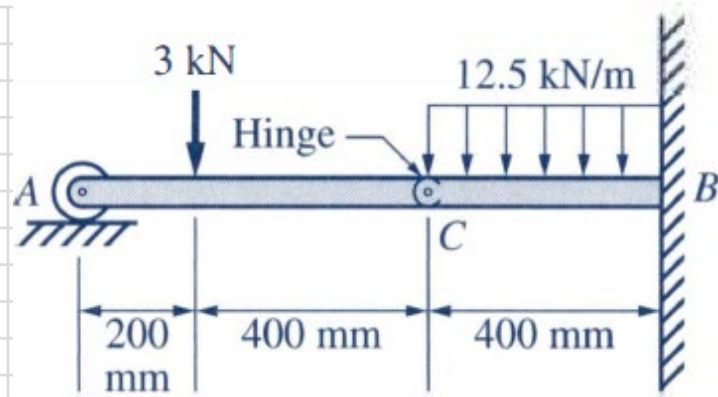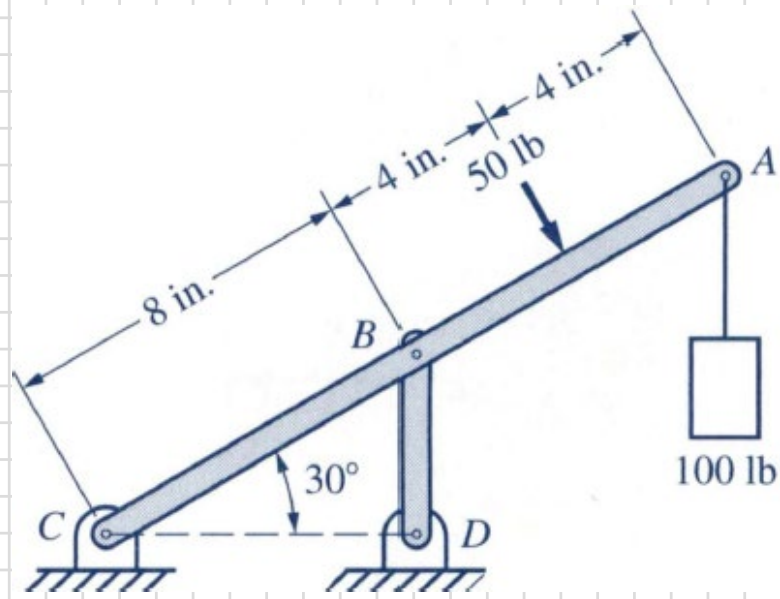4-28 See Fig. P4-28. Determine the reactions at A and B of the beam due to the loads shown.
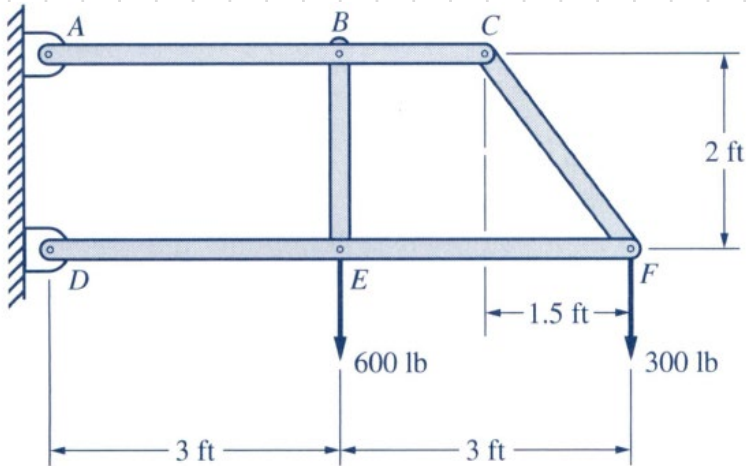Solution.

4-29 Refer to Fig. P4-29. Determine the forces in each member of the frame subjected to the load shown.
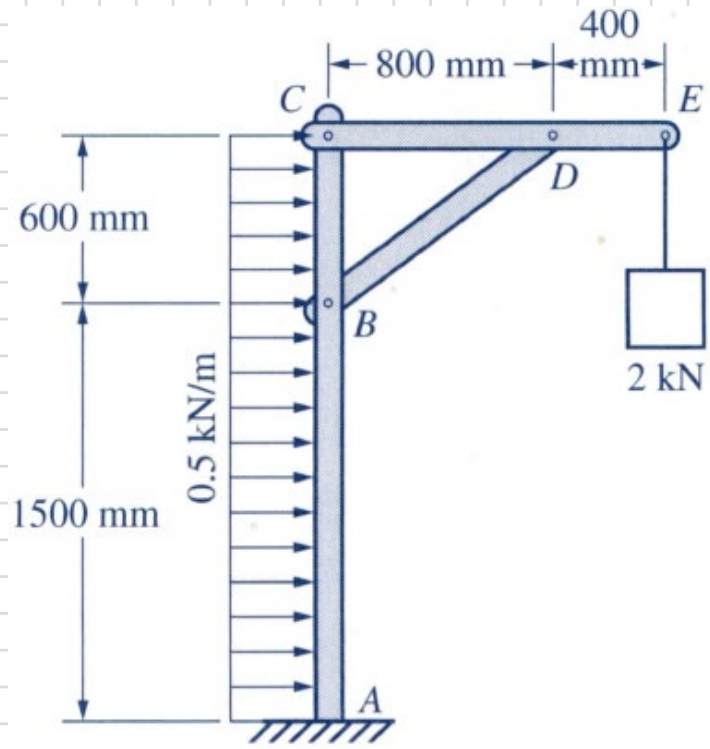Solution.

4-30 See Fig. P4-30. Determine the forces in each member of the frame subjected to the loads shown.
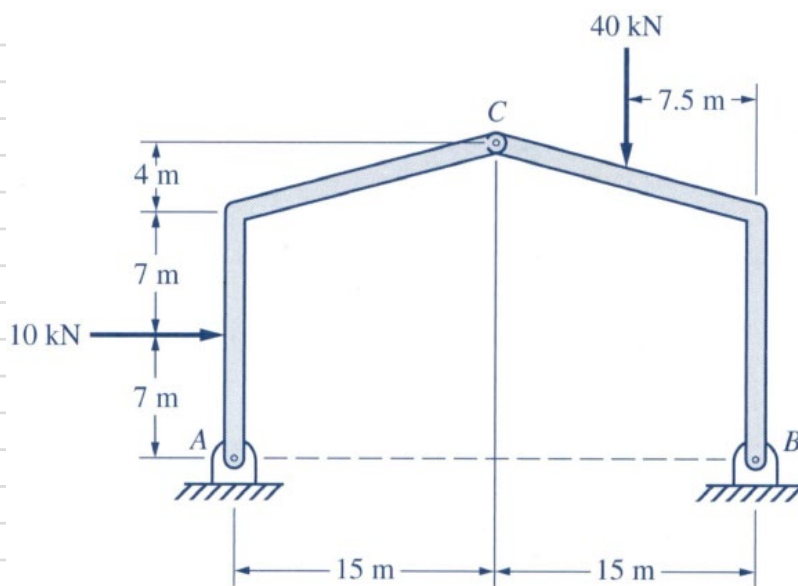Solution.

4-31 Refer to Fig. P4-31. Determine the forces acting on vertical member ABC due to the 2-kN load and the uniformly distributed wind load shown.

Solution.

400
|← 800 mm →|← mm →|

C

E

D

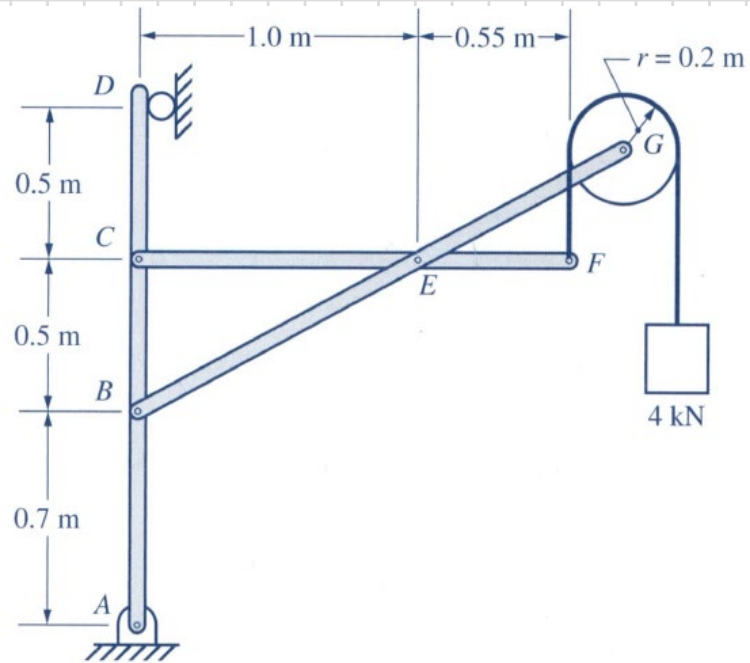600 mm

0.5 kN/m

B

2 kN

1500 mm

A

4-33 The three-hinged frame in Fig. P4-33, p. 186, is subjected to the loads shown. Find the reactions at supports A and B.

Solution.

4-34 Refer to Fig. P4-34. Determine the forces acting on each member of the frame due to the 4-kN load shown. Neglect the weights of all members.
Solution.

4-44 A 200-kg mass is supported by a pair of tongs, as shown in Fig. P4-44. Determine the forces acting on tong CDE.

Solution.