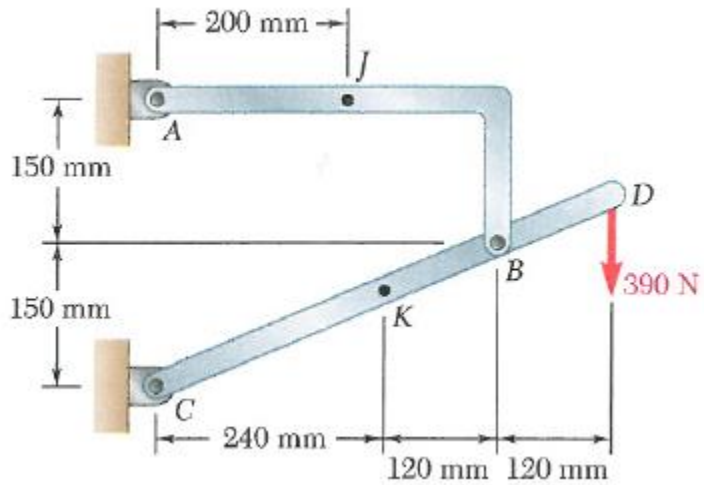


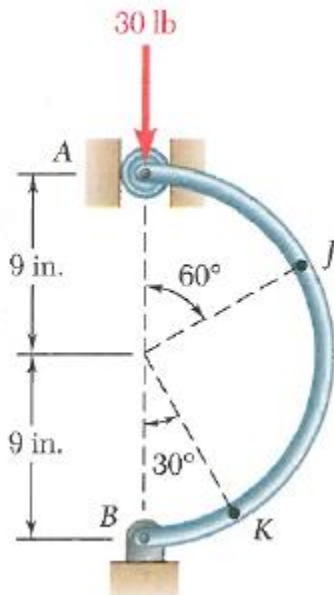
HOMEWORK 6

Q1)



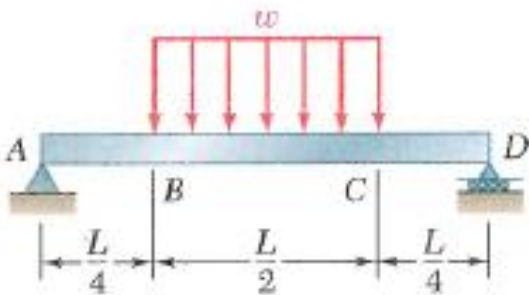
Determine the internal forces at point K of the structure shown.

Q2)



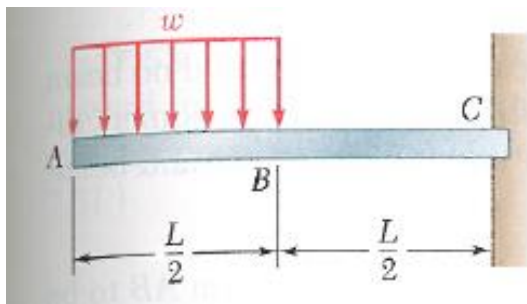
A semicircular rod is loaded as shown. Determine the internal forces at point J.

Q3)



For the beam and loading shown, (a) draw the shear and bending-moment diagrams, (b) determine the maximum absolute values of the shear and bending moment.

Q4)



For the beam and loading shown, (a) draw the shear and bending-moment diagrams, (b) determine the maximum absolute values of the shear and bending moment.