Shear and Moment Diagrams by Graphical Method:

Method based on two differential relations, one that exists between the distributed load and shear, and the other between the shear and moment is a simpler method for constructing the shear and moment diagrams. For region of distributed load:



Mechanics of Materials – 2nd Class Dr. Ashraf Alfeehan

Draw the shear and moment diagrams for the beams shown in the figures.



Draw the shear and moment diagrams for the beams shown in the figures and find the position of max. bending moment. $M_1 = 2M_1$



Draw the shear and moment diagrams for the beams shown in the figures and find the position of max. bending moment..





Draw the shear and moment diagrams for the beam shown in the figure and find the position of max. bending moment..



Mechanics of Materials – 2nd Class Dr. Ashraf Alfeehan

Draw the shear and moment diagrams for the beam shown in the figure and find the position of max. bending moment..



Mechanics of Materials – 2nd Class Dr. Ashraf Alfeehan