

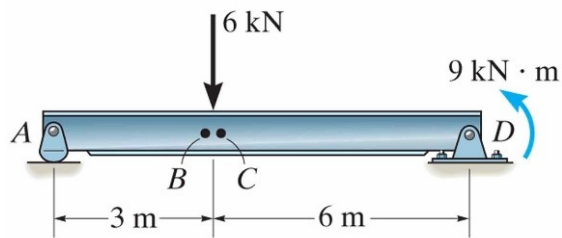
## Problem 5/A

Determine the shear force and bending moment in the beam at position  $B$ , immediately to the left of the  $6\text{ kN}$  applied load, and at position  $C$ , immediately to the right of the  $6\text{ kN}$  applied load.

Given:

Find:

Solution:



(a)

fig07\_04a.jpg

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## Problem 5/B

Determine the shear force and bending moment in the beam at a position 3 meters to the right of the 2kN applied load at *A*.

Given:

Find:

Solution:

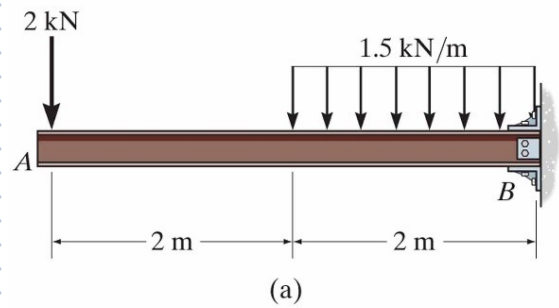


fig07\_15a.jpg

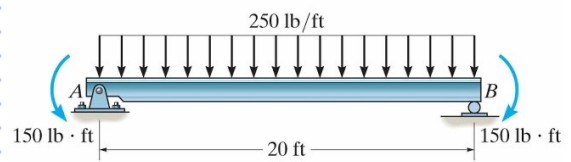
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## Problem 5/C

Determine the shear force and bending moment in the beam at midspan.

Given:

Find:



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Solution: