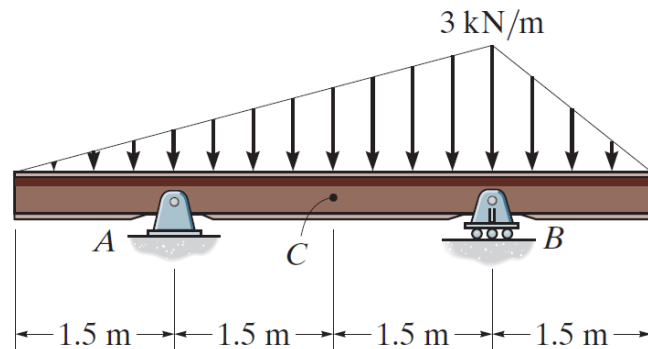


Submit your complete solution via MyCourses by Monday Nov 16, 23.59.

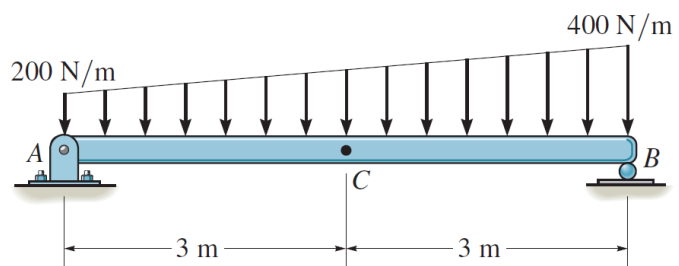
Exercise 1

Determine the internal normal force, shear force, and moment at point C in the double-overhang beam.

Answer: $N_C = 0$; $V_C = 0$; $M_C = 1.5 \text{ kNm}$

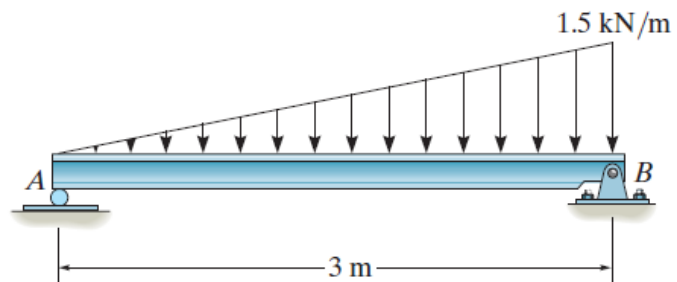
**Exercise 2**

Determine the internal normal force, shear force, and moment at point C of the beam.

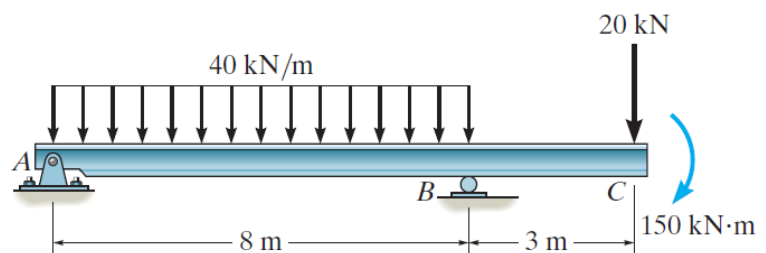
**Exercise 3**

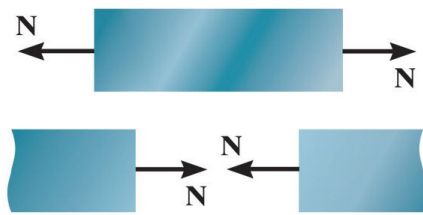
Draw the shear and moment diagrams for the beam.

Answer: $V = 0.75 - 0.25x^2$; $M = 0.75x - 0.08333x^3$

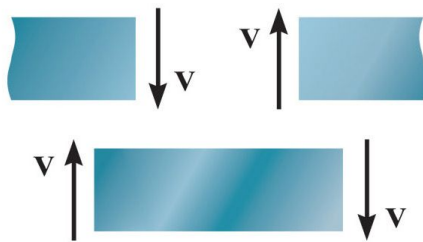
**Exercise 4**

Draw the shear and moment diagrams for the beam.

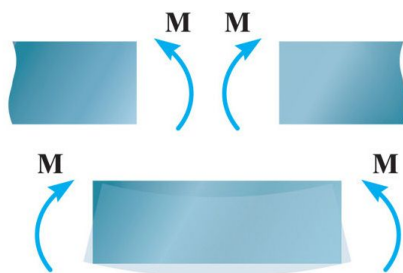




Positive normal force



Positive shear



Positive moment