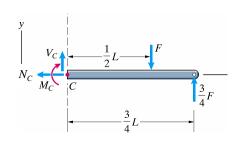
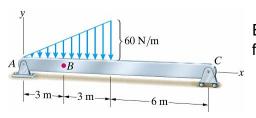


Example 1. Find the internal forces and moment at C.

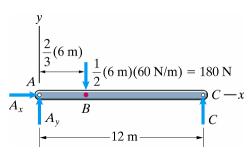


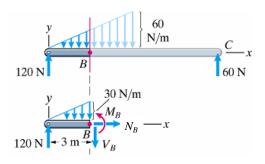
Take the right part.

Different FBD's give same magnitude and sign of internal forces and bending moment.



Example2. Find the internal forces and moment at B.





$$\left(\frac{2}{3} \text{ m}\right)$$
 $\frac{y}{120 \text{ N}}$ 
 $\frac{1}{2} (3 \text{ m})(30 \text{ N/m}) = 45 \text{ N}$ 
 $\frac{M_B}{V_B} N_B - x$