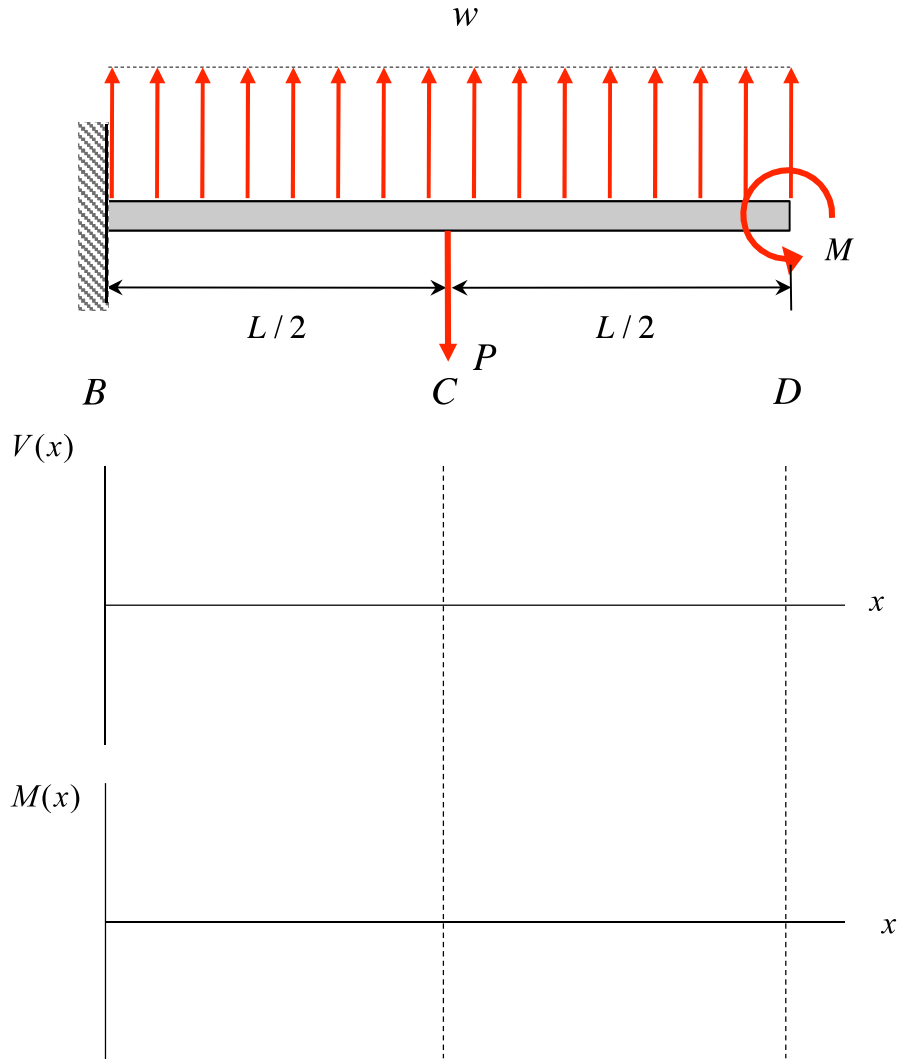


**Homework H29.A**

**GIVEN:** Cantilevered beam with the line loading  $w$  acting over its length, a concentrated force  $P$  acting at  $C$  and a concentrated couple  $M$  acting at end  $D$ .

**FIND:** Construct the shear force and bending moment diagrams for this beam.

For this problem, use the following parameters:  $w = 10 \text{ kN/m}$ ,  $P = 40 \text{ kN}$ ,  $M = 80 \text{ kN-m}$  and  $L = 4 \text{ m}$ .



**Homework H29.B**

**GIVEN:** Beam with the line loading  $w$  acting over section AM and a concentrated force  $F$  acting at end C..

**FIND:** Using the graphical technique, construct the shear force and bending moment diagrams for this beam.

For this problem, use the following parameters:  $w = 15$  kips/ft,  $F = 60$  kips and  $d = 3$  ft.

