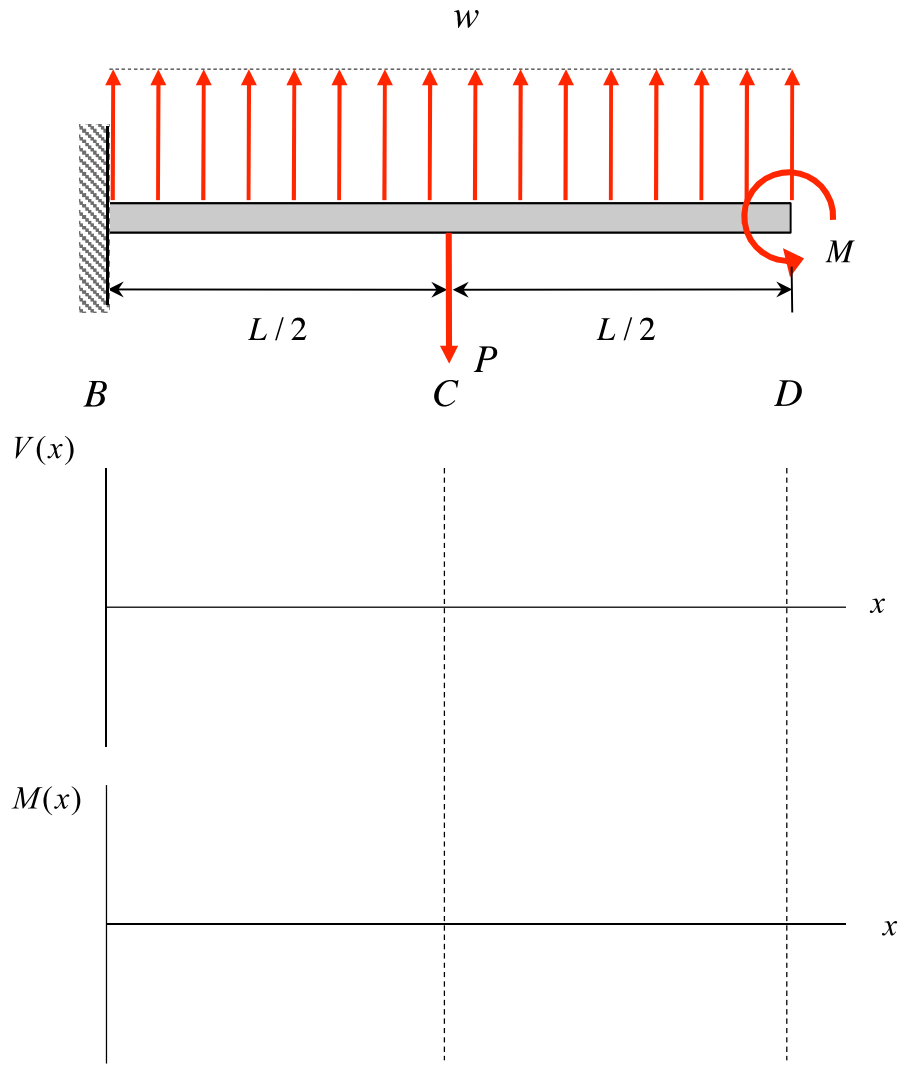
Homework H29.A

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 kN/m, P = 40 kN, M = 80 kN-m and L = 4 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.

