Given: Cantilevered beam loaded with force P at A, along with a couple M_B at B.
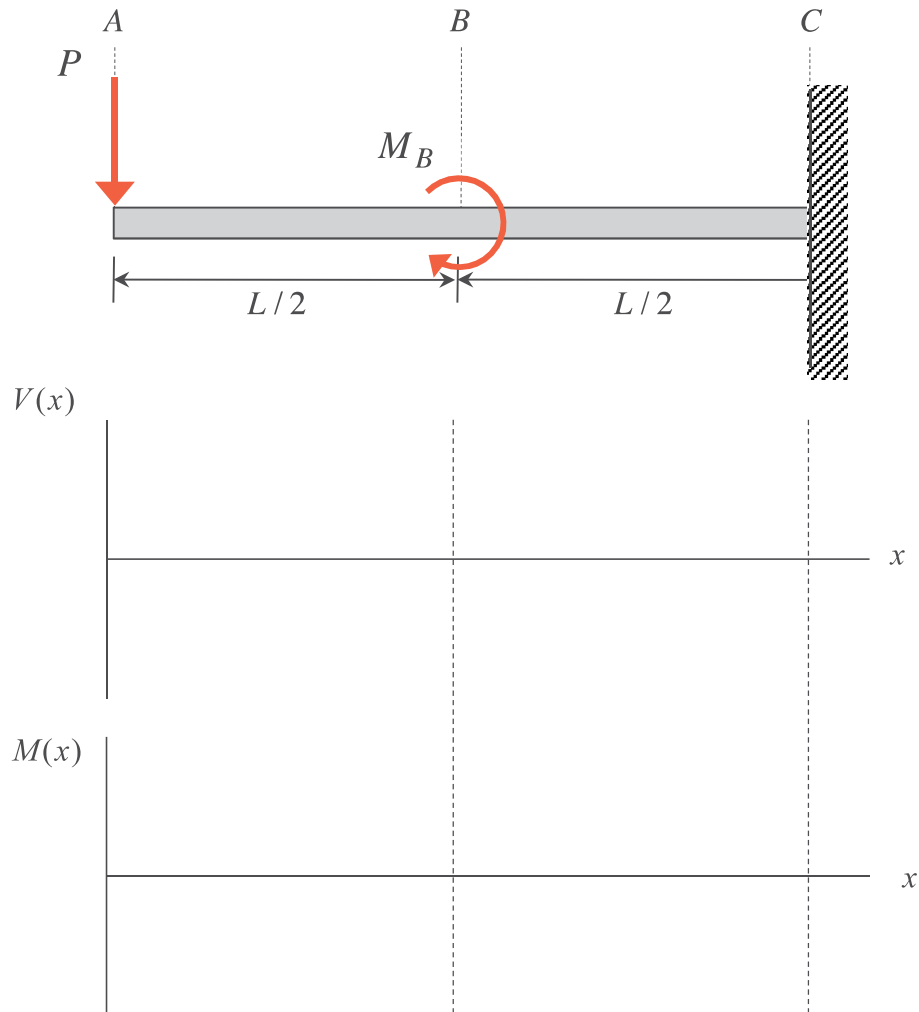
Find: Construct the shear force and bending moment diagrams for this beam.

For this problem, use the following parameters: L = 2 m, M_B = 40 kN-m and P = 40 kN.

Given: Simply-supported beam loaded with force *P* at D, respectively, along with a couple M_C at C.

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

For this problem, use the following parameters: *d* = 1 ft, M_C = 30 kip-ft and P = 60 kips.