

### Homework Problem H9.B

**Given:** Cantilevered beam loaded with two forces  $2P$  and  $P$  at B and C, respectively, along with a couple  $M$  at B.

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

For this problem, use the following parameters:  $L = 10$  ft,  $M = 40$  kip-ft and  $P = 30$  kips.

