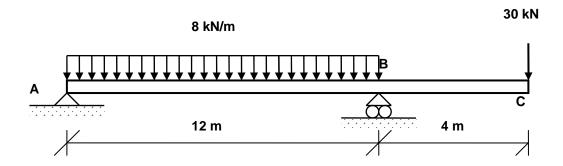
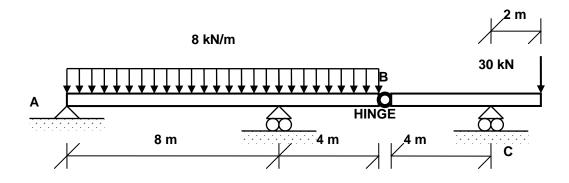
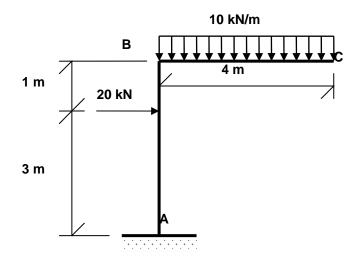
DEPARTMENT OF CIVIL ENGINEERING CE-222 STRUCTURAL MECHANICS I Tutorial Assignment # 2: Shear Force and Bending Moment Diagrams

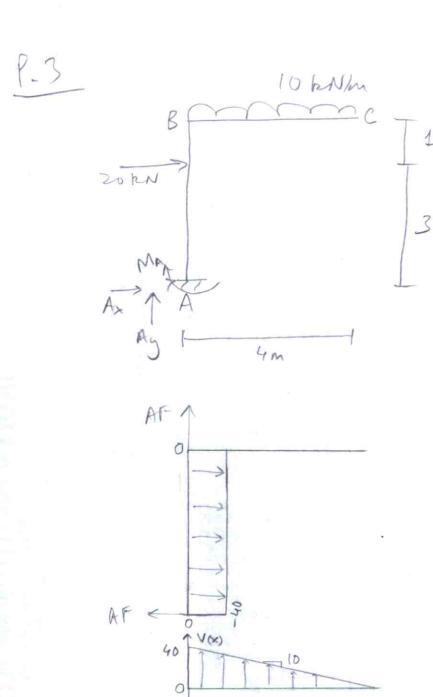
Problem 1

Draw the **Shear Force and Bending Moment Diagrams** for the following systems. Also sketch the **Qualitative Deflected Shapes**.







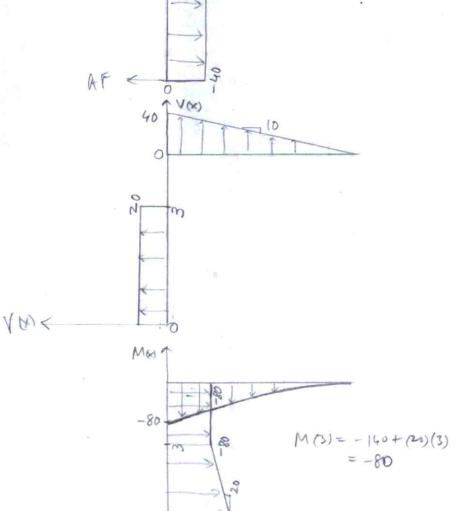


$$Ay = (10)(4) = 40$$

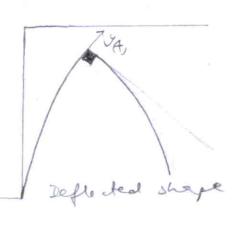
$$A_{x} = -20$$

$$M_{x} = -(20)(3) - (10)(\frac{4^{2}}{2})$$

$$= -140$$



5 140 Equil checket 8



W(x) {