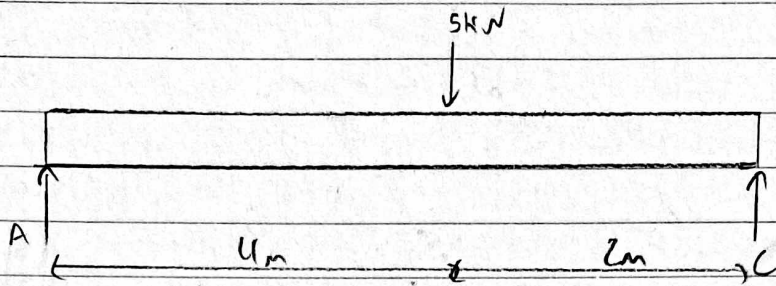
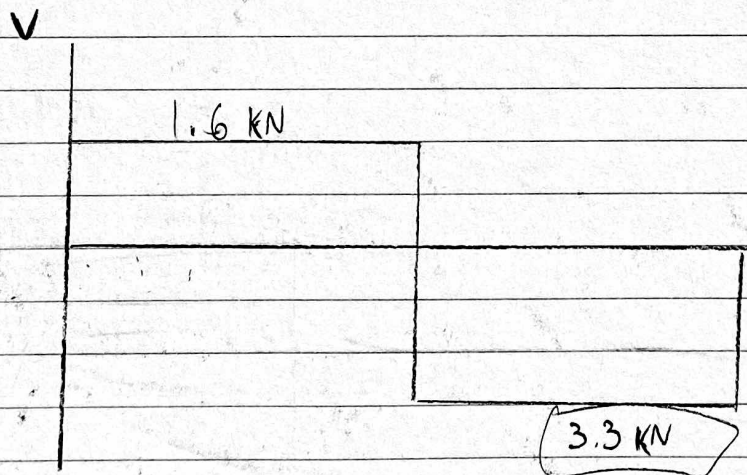


9dutr-5: 21-5-7.2 - MK-01



$$\sum M_C = 0 = (5\text{kN})(2\text{m}) - A_y(6\text{m}) \rightarrow A_y = \frac{(5\text{kN})(2\text{m})}{6\text{m}} = 1.6\text{ kN}$$

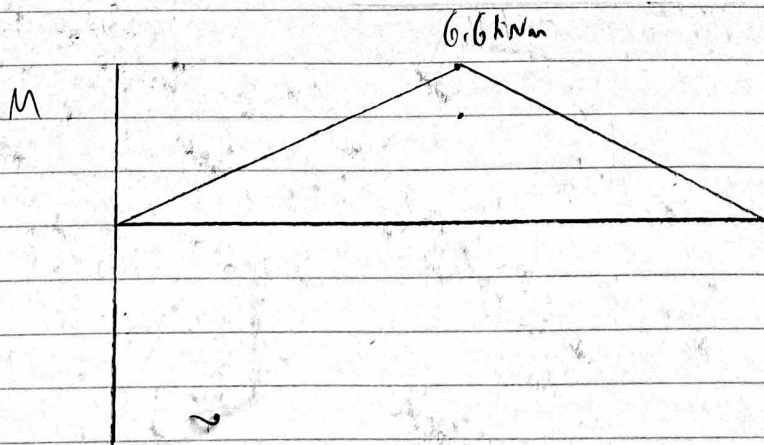
$$\sum M_A = 0 = -(5\text{kN})(4\text{m}) + C_y(6\text{m}) \rightarrow C_y = \frac{(5\text{kN})(4\text{m})}{6\text{m}} = 3.3\text{ kN}$$



$$V_{AB} = 1.6\text{ kN}$$

$$V_{BC} = 1.6\text{ kN} - 5\text{ kN} = -3.3\text{ kN}$$

$$V_{\text{max}} = 3.3\text{ kN}$$



$$M_B = (1.6\text{ kN})(4\text{m}) = 6.6\text{ kNm}$$

$$M_C = 6.6\text{ kNm} - (3.3\text{ kN})(2) = 0$$

$$M_{\text{max}} = 6.6\text{ kNm}$$