

1-12*

From a free-body diagram of the beam, the equilibrium equations are solved to get the forces and moment

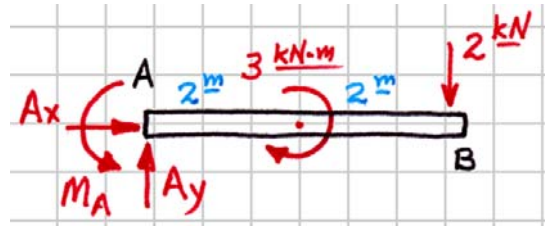
$$\rightarrow \Sigma F_x = 0: \quad A_x = 0$$

$$\uparrow \Sigma F_y = 0: \quad A_y - 2 = 0$$

$$A_y = 2 \text{ kN}$$

$$\curvearrowright \Sigma M_A = 0: \quad M_A - 2(4) - 3 = 0$$

$$M_A = 11 \text{ kN} \cdot \text{m}$$



$$A = 2 \text{ kN } \uparrow \dots\dots\dots \text{Ans.}$$

$$M_A = 11 \text{ kN} \cdot \text{m } \curvearrowright \dots\dots\dots \text{Ans.}$$