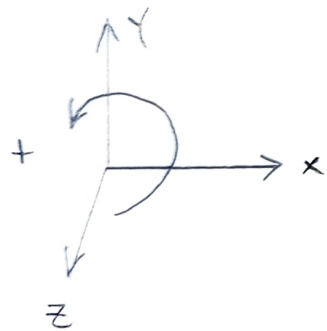
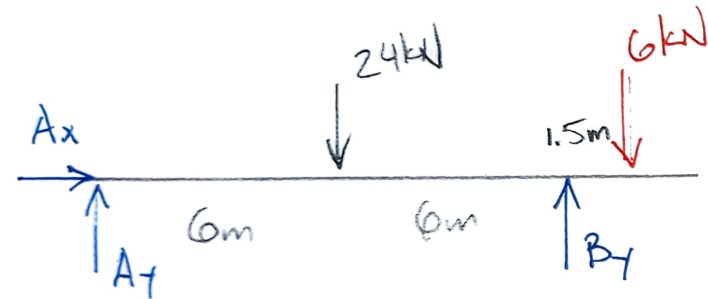
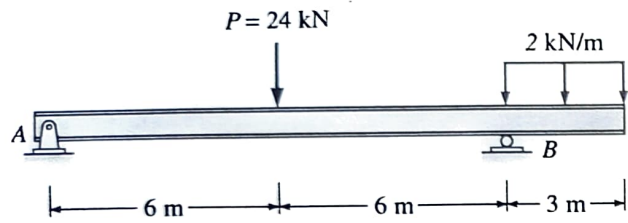


Example 2a-1: Find the reactions



$$\underbrace{\sum M_A = 0}_{\text{K.N.M}} = \underbrace{-24 \text{ kN}(6 \text{ m})}_{\text{F.L}} - 6 \text{ kN}(13.5 \text{ m}) + \underline{\underline{B_y(12 \text{ m})}}$$

$$\underline{\underline{B_y = 18.75 \text{ kN}}}$$

$$\underbrace{+\uparrow \sum F_y = 0}_{\text{K.N}} = A_y + B_y - 24 \text{ kN} - 6 \text{ kN}$$

$$\underline{\underline{A_y = 11.25 \text{ kN}}}$$

$$\underbrace{+\rightarrow \sum F_x = 0}_{\text{K.N}} = A_x$$