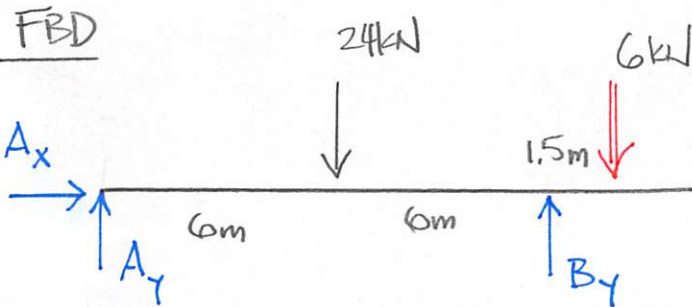
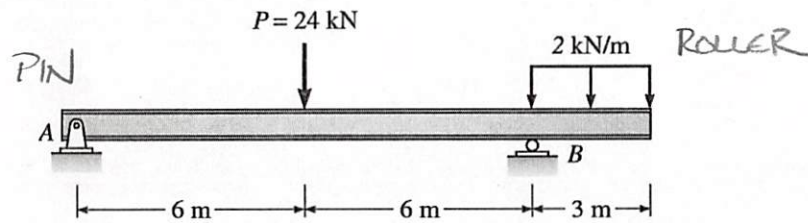


Example 2a-1: Find the reactions



$$\sum \mathcal{M}_A = 0 = -24 \text{ kN}(6 \text{ m}) - 6 \text{ kN}(13.5 \text{ m}) + B_y(12 \text{ m})$$

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

$$\sum F_y = 0 = A_y + B_y - 24 \text{ kN} - 6 \text{ kN}$$

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

$$\sum F_x = 0 = A_x$$