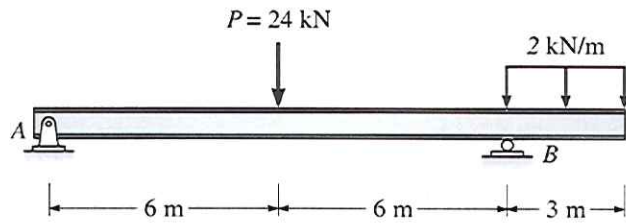
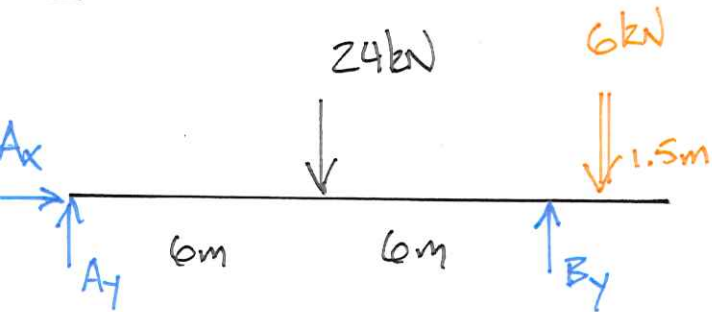


Example 2-1: Find the reactions



FBD



$$\underbrace{+\circlearrowleft \sum M_A = 0 = -24 \text{ kN}(6 \text{ m}) - 6 \text{ kN}(13.5 \text{ m}) + B_y(15 \text{ m})}$$

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

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

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

$$\underbrace{+\rightarrow \sum F_x = 0 = A_x}$$