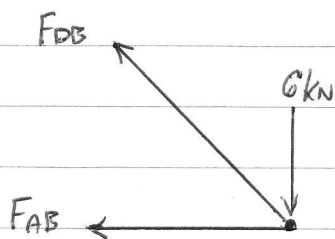


$$\begin{aligned}\sum M_A &= 0, \\ 3H_C + (6 \times 8) &= 0 \\ H_C &= \frac{-6 \times 8}{3} \\ &= -16 \text{ kN}\end{aligned}$$

$$\begin{aligned}\sum F_x &= 0, \\ H_A &= -H_C \\ &= 16 \text{ kN}\end{aligned}$$

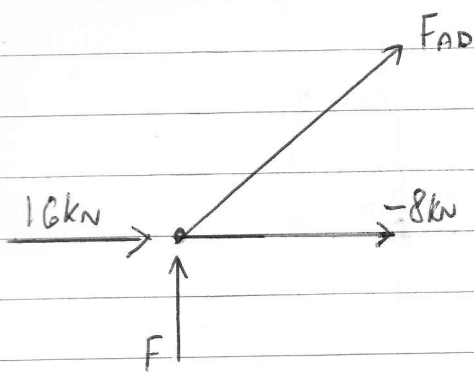
Joint B



$$\begin{aligned}F_{DB} \cos DB - 6 &= 0 \\ F_{DB} &= \frac{6}{3/5} \\ &= 10 \text{ kN}\end{aligned}$$

$$\begin{aligned}-F_{AB} - F_{DB} \cos DB &= 0 \\ F_{AB} &= -10 \times 4/5 \\ &= -8 \text{ kN}\end{aligned}$$

JOINT A



$$F_{AD} \cos AD + 16 - 8 = 0$$

$$F_{AD} = \frac{8 - 16}{\frac{4}{5}}$$

$$= -10 \text{ kN}$$