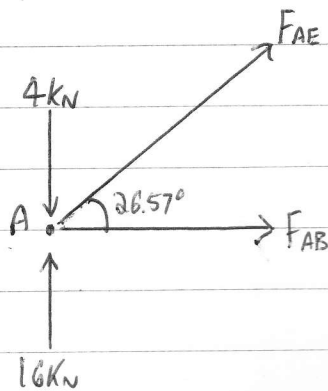


Joint A



$$F_{AE} \sin(26.57) + 16 - 4 = 0$$

$$F_{AE} = \frac{4 - 16}{\sin(26.57)}$$

$$= -26.83 \text{ kN}$$

$$F_{AB} + F_{AE} \cos(26.57) = 0$$

$$F_{AB} = 26.83 \sin(26.57)$$

$$= 12 \text{ kN}$$

Joint