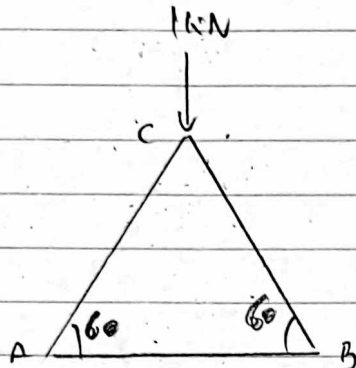


Solutions: 21-5-6.2-MK-02.pg



@ point C

$$\sum F_y = 1 \text{ kN} - 2 \sin 60^\circ F_c$$

$$\sum F_y = \frac{1}{2 \sin 60^\circ} = F_c = \boxed{0.5777 \text{ kN}} \text{ for AB and AC in compression}$$

@ point B

$$\sum F_x = F_{AB} - (\cos 60^\circ)(0.5777 \text{ kN})$$

$$\boxed{F_{AB} = 0.2885 \text{ kN}} \text{ in tension}$$