



$$\tan 30^\circ = \frac{GK}{AK} = \frac{F_G}{F_{CA}}$$

$$\Leftrightarrow F_{CA} = \frac{F_G}{\tan 30^\circ} = \underline{\underline{34,6 \text{ kN}}}$$

$$\cos 30^\circ = \frac{AK}{H} = \frac{F_{CA}}{F_{AB}}$$

$$\Leftrightarrow F_{AB} = \frac{F_{CA}}{\cos 30^\circ} = \underline{\underline{40 \text{ kN}}}$$

$$\tan 30^\circ = \frac{F_G}{F_{CA}} \quad | \cdot F_{CA}$$

$$\Leftrightarrow F_{CA} \cdot \tan 30^\circ = F_G \quad | : \tan 30^\circ$$

$$\Leftrightarrow F_{CA} = \frac{F_G}{\tan 30^\circ}$$