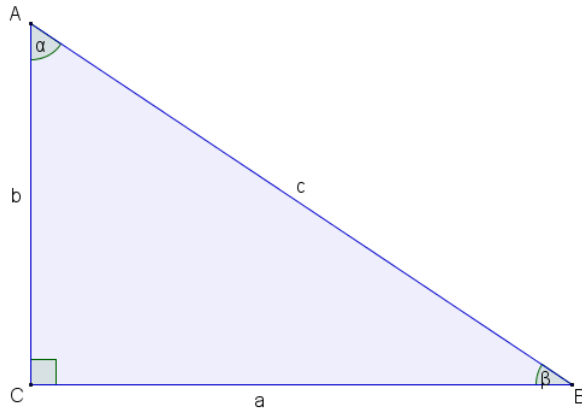


Andmed:

$$a = 5 \text{ cm}$$

$$\alpha = 35^\circ$$



Lahendus:

1. Leian puuduva teravnurga: $\alpha + \beta = 90^\circ \Rightarrow \beta = 90^\circ - \alpha$

$$\beta = 90^\circ - 35^\circ = 55^\circ$$

2. Leian hüpoteenuusi c: $\sin \alpha = \frac{a}{c} \Rightarrow c = \frac{a}{\sin \alpha}$

$$c = \frac{5}{\sin 35^\circ} \approx \frac{5}{0,5736} \approx 8,71(\text{cm})$$

3. Leian teise kaateti b: $b = \sqrt{c^2 - a^2}$

$$b = \sqrt{8,71^2 - 5^2} \approx 7,1(\text{cm})$$

Vastus: Kolmnurga teine kaatet on 7,1 cm, hüpoteenus 8,7 cm ja puuduv nurk 55° .