

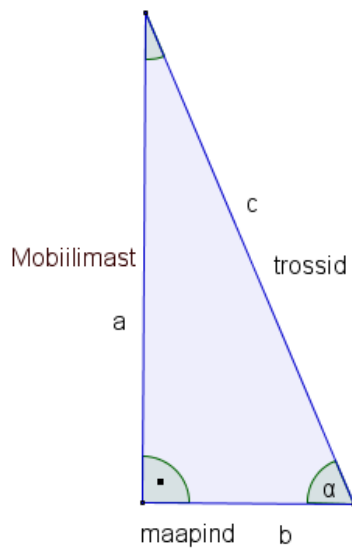
Andmed:

$$a = 33 \text{ m}$$

$$c = 42 \text{ m}$$

Leida α ja b

Lahendus:



1. Leian nurga, mille moodustavad trossid maapinnaga:

$$\sin \alpha = \frac{a}{c}$$

$$\sin \alpha = \frac{33}{42} \approx 0,7857 \Rightarrow \alpha = 51,79^\circ = 51^\circ 47'$$

2. Trosside kinnituse kaugus mastist:

$$b = \sqrt{c^2 - a^2}$$

$$b = \sqrt{42^2 - 33^2} = \sqrt{675} \approx 26(m)$$

Vastus: Trossid moodustavad maapinnaga nurga $51^\circ 47'$ ja trosside kinnitus mastist maapinnal on 26 m.