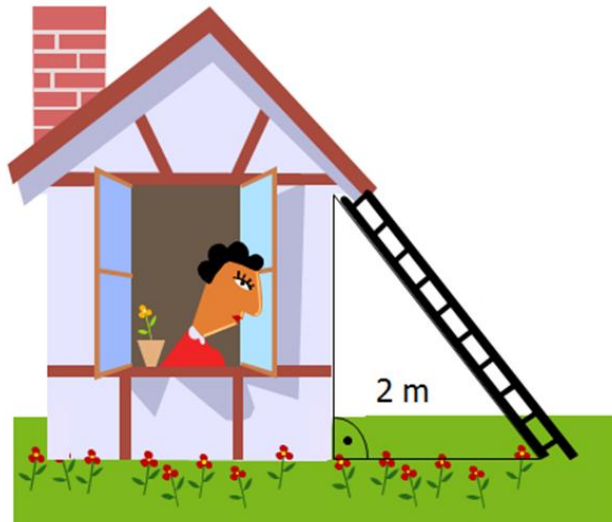


Näide 2

Redel seisab maja seina najal. Redeli alumine serv asub maja seinast 2m kaugusele. Kaldnurk seinaga on 30° . Kui pikk on redel?

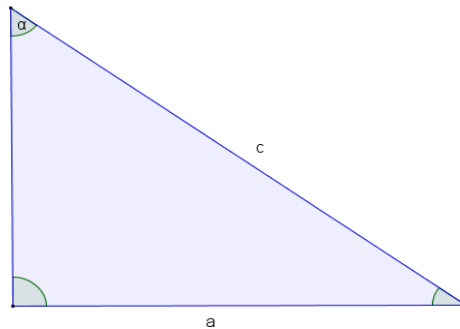


Antud:

$$a = 2 \text{ m}$$

$$\alpha = 30^\circ$$

Leida c



Lahendus:

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

$$c = \frac{2}{\sin 30^\circ} = 4(m)$$

Vastus: redeli pikkus on 4 meetrit.