

geg.: $a = 9 \text{ cm}$
 $b = 6,6 \text{ cm}$
 $\beta = 75^\circ$
 $\gamma = 80^\circ$

ges.: d
 c
 d

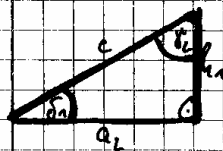
h $\sin \beta = \frac{h}{b} \Rightarrow h = b \cdot \sin \beta = 6,6 \cdot \sin 75^\circ$ $h = 6,38 \text{ cm}$

α_1 $\alpha_1 = 90^\circ - \beta = 90^\circ - 75^\circ = 15^\circ$
 $\alpha_2 = \gamma - \alpha_1 = 80^\circ - 15^\circ = 65^\circ$

δ $\delta = 360^\circ - 90^\circ - \beta - \gamma = 115^\circ = \delta$
 $\delta_1 = \delta - 90^\circ = 115^\circ - 90^\circ = 25^\circ$

a_1 $a_1^2 = b^2 - h^2$ $a_1 = \sqrt{b^2 - h^2}$ $a_1 = 1,71 \text{ cm}$

a_2 $a_2 = a - a_1 = 9 - 1,71 = 7,29 \text{ cm}$



$\cos \delta_1 = \frac{a_2}{c}$

$c = \frac{a_2}{\cos \delta_1} = \frac{7,29}{\cos 25^\circ}$ $c = 8,04 \text{ cm}$
 (8,0 cm)

h_1 $h_1 = \sqrt{c^2 - a_2^2} = \sqrt{8,04^2 - 7,29^2}$ $h_1 = 3,40 \text{ cm}$

d $d = h - h_1 = 6,38 - 3,4$ $d = 2,98 \text{ cm}$ (3,0 cm)