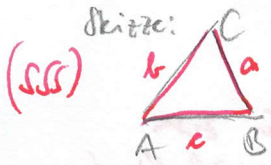


Üben und Vertiefen: Dreieckskonstruktionen

S. 145

1. a) geg: $\triangle ABC$
 $a = 7,4 \text{ cm}$
 $b = 5 \text{ cm}$
 $c = 8 \text{ cm}$

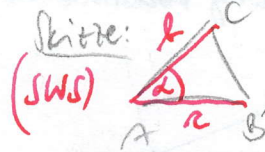


$$\alpha = 64^\circ$$

$$\beta = 37^\circ$$

$$\gamma = 79^\circ$$

- b) geg: $\triangle ABC$
 $b = 6,2 \text{ cm}$
 $c = 7 \text{ cm}$
 $\alpha = 114^\circ$

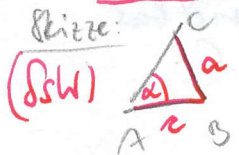


$$a = 10,6 \text{ cm}$$

$$\beta = 35^\circ$$

$$\gamma = 41^\circ$$

- c) geg: $\triangle ABC$
 $a = 7,6 \text{ cm}$
 $c = 4,4 \text{ cm}$
 $\alpha = 101^\circ$

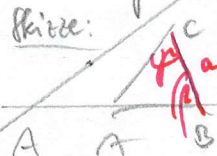


$$b = 5,1 \text{ cm}$$

$$\beta = 40^\circ$$

$$\gamma = 33^\circ$$

- d) geg: $\triangle ABC$
 $a = 7,3 \text{ cm}$
 $\beta = 37^\circ$
 $\gamma = 106^\circ$



$$b = 7,3 \text{ cm}$$

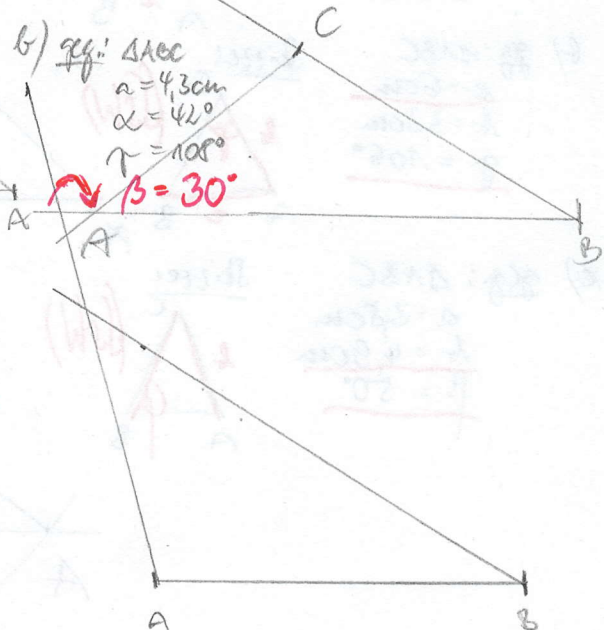
$$c = 12 \text{ cm}$$

$$\alpha = 37^\circ$$

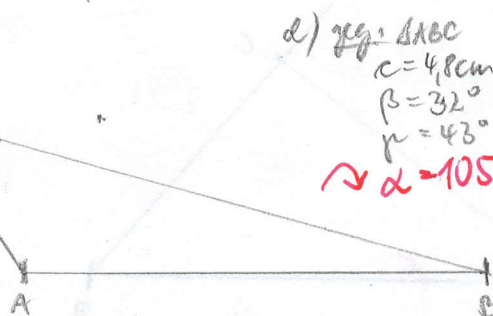
2. a) geg: $\triangle ABC$
 $a = 5,5 \text{ cm}$
 $\alpha = 75^\circ$
 $\beta = 40^\circ$
 $\gamma = 65^\circ$



- b) geg: $\triangle ABC$
 $a = 4,3 \text{ cm}$
 $\alpha = 42^\circ$
 $\gamma = 105^\circ$
 $\beta = 30^\circ$



- c) geg: $\triangle ABC$
 $c = 6,2 \text{ cm}$
 $\alpha = 123^\circ$
 $\gamma = 42^\circ$
 $\beta = 15^\circ$



- d) geg: $\triangle ABC$
 $c = 4,8 \text{ cm}$
 $\beta = 32^\circ$
 $\gamma = 43^\circ$
 $\alpha = 105^\circ$

