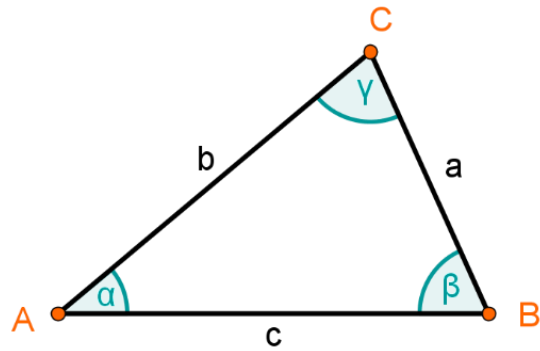


Dreiecke konstruieren

Konstruiere die Dreiecke. Fertige vor jeder Konstruktion eine Planskizze an.



Aufgabe 1: (SSS)

- a) $a = 4 \text{ cm}; b = 3 \text{ cm}; c = 5 \text{ cm}$
- b) $a = 2,5 \text{ cm}; b = 4 \text{ cm}; c = 3 \text{ cm}$
- c) $a = 6 \text{ cm}; b = 4,5 \text{ cm}; c = 6,5 \text{ cm}$
- d) $a = 2,5 \text{ cm}; b = 4,5 \text{ cm}; c = 5,5 \text{ cm}$

Aufgabe 2: SWS

- a) $a = 2,4 \text{ cm}; b = 4,5 \text{ cm}; \gamma = 75^\circ$
- b) $a = 1,9 \text{ cm}; c = 5 \text{ cm}; \beta = 40^\circ$
- c) $a = 6 \text{ cm}; b = 4,3 \text{ cm}; \gamma = 80^\circ$
- d) $b = 3,5 \text{ cm}; c = 2,7 \text{ cm}; \alpha = 125^\circ$

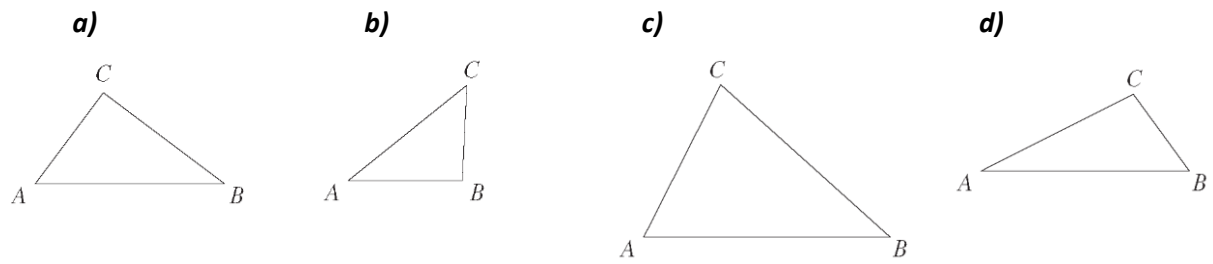
Aufgabe 3: SWS

- a) $b = 4,5 \text{ cm}; \alpha = 65^\circ; \gamma = 75^\circ$
- b) $c = 5 \text{ cm}; \alpha = 101^\circ; \beta = 42^\circ$
- c) $a = 4,2 \text{ cm}; \beta = 45^\circ; \gamma = 81^\circ$
- d) $b = 3,2 \text{ cm}; \beta = 23^\circ; \gamma = 36^\circ$

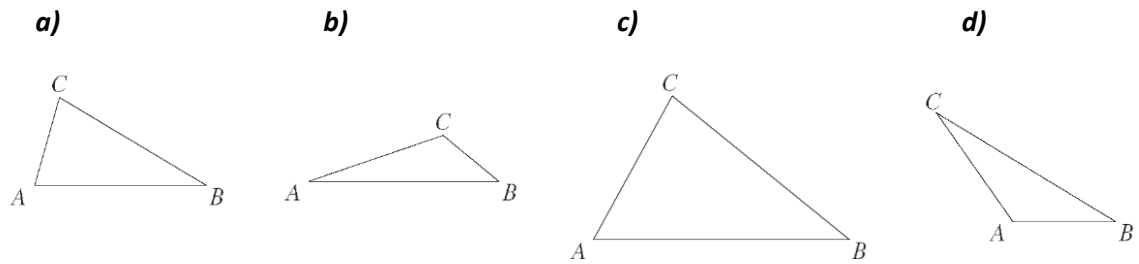
Aufgabe 4:

- a) $a = 7 \text{ cm}, b = 9 \text{ cm}, c = 12,5 \text{ cm}$
- b) $c = 13 \text{ cm}, a = 10 \text{ cm}; \alpha = 40^\circ$
- c) $\alpha = 30^\circ, \gamma = 75^\circ, a = 6 \text{ cm}$

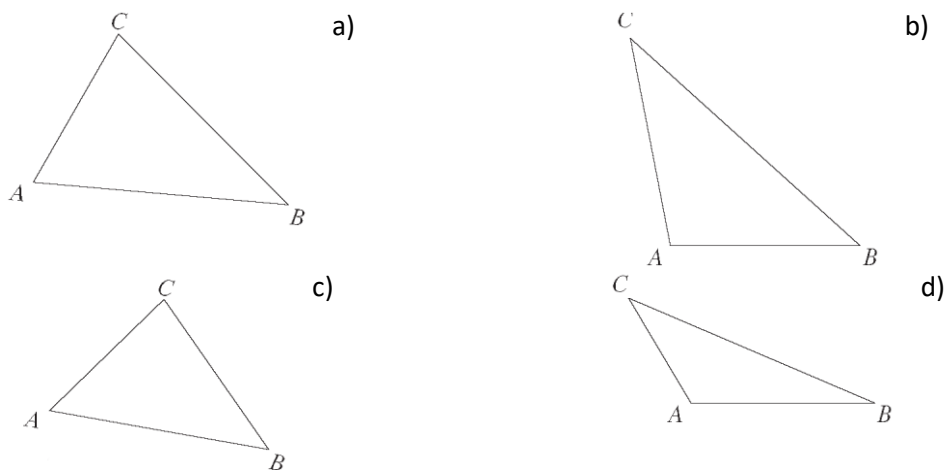
Lösung 1:



Lösung 2:

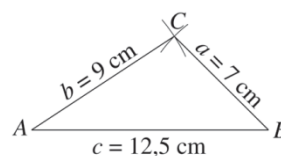


Lösung 3:

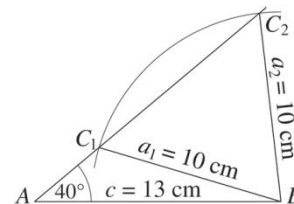


Lösung 4:

a)



b) Es gibt zwei Lösungen.



c)

