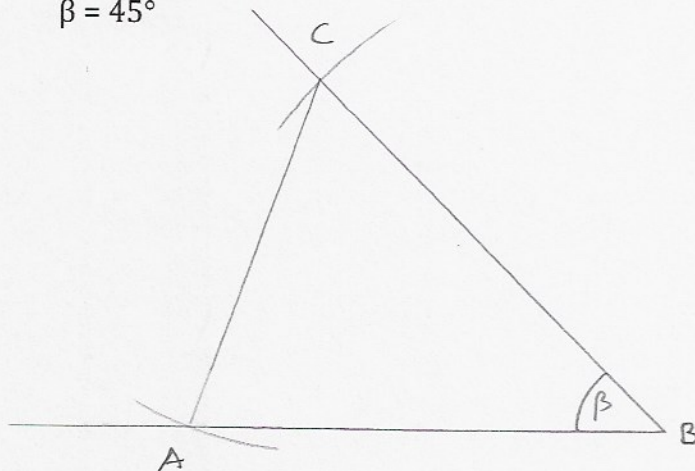
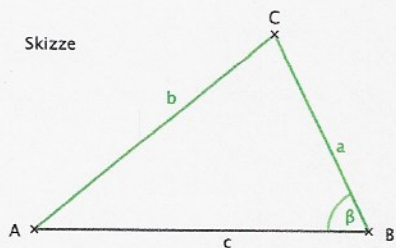


1. $a = 6,5 \text{ cm}$ $b = 4,9 \text{ cm}$ $\beta = 45^\circ$

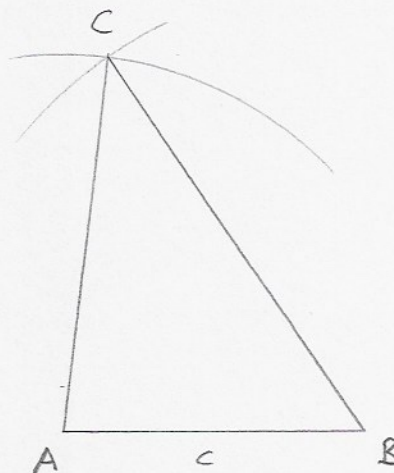
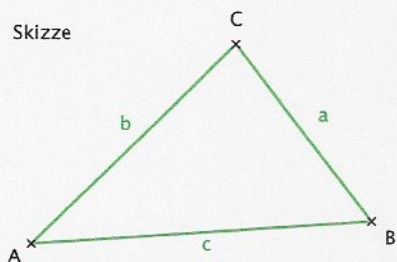
Skizze



- KB: 1. β in B
 2. $\odot (B, a) \rightarrow C$
 3. $\odot (C, b) \rightarrow A$

2. $a = 6 \text{ cm}$ $b = 5 \text{ cm}$ $c = 4 \text{ cm}$

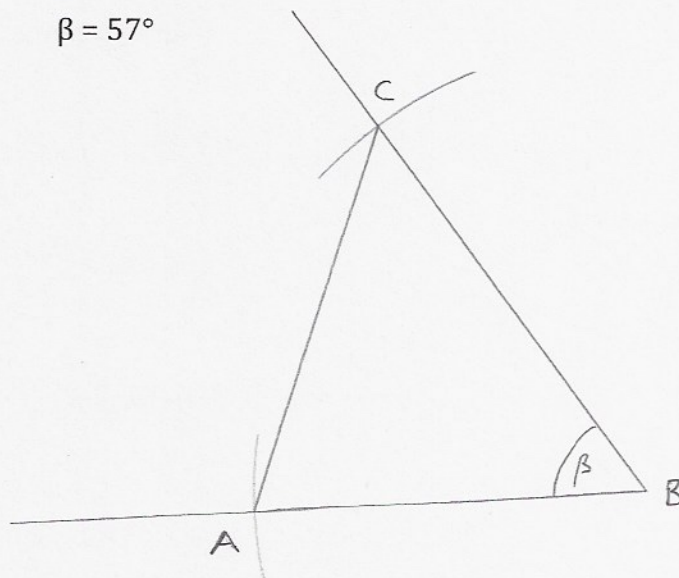
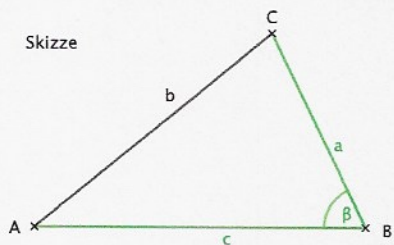
Skizze



- KB: 1. $c \rightarrow A, B$
 2. $\odot (A, b) \cap \odot (B, a) \rightarrow C$

3. $a = 6 \text{ cm}$ $c = 5,2 \text{ cm}$ $\beta = 57^\circ$

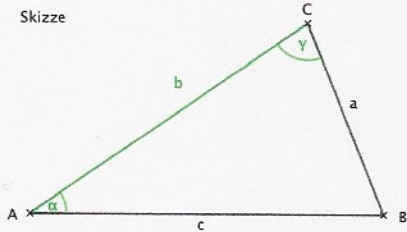
Skizze



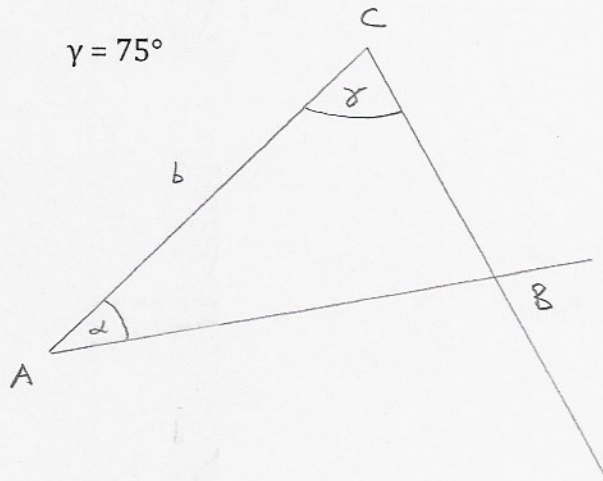
- KB: 1. β in B
 2. $\odot (B, a) \rightarrow C$
 3. $\odot (B, c) \rightarrow A$

4. $b = 5,9\text{cm}$ $\alpha = 34^\circ$

Skizze



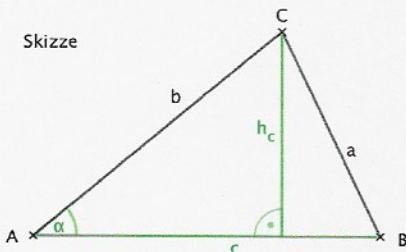
$\gamma = 75^\circ$



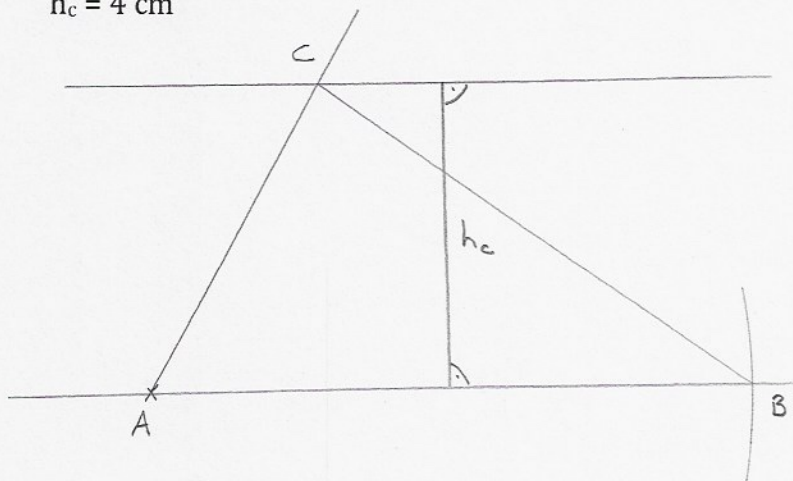
- KB: 1. $b \rightarrow A, C$
2. $\alpha \cap \gamma \rightarrow B$

5. $\alpha = 60^\circ$ $c = 8\text{ cm}$

Skizze



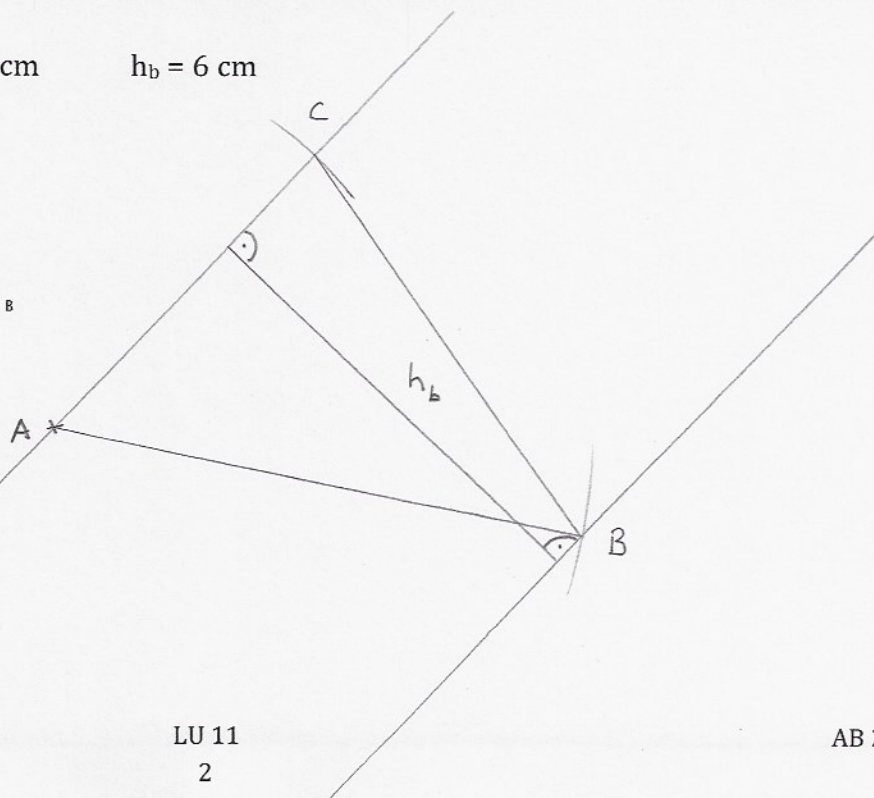
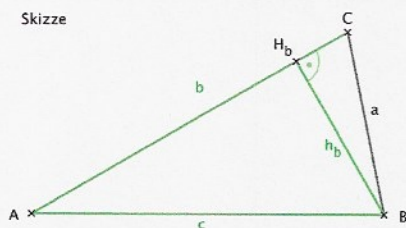
$h_c = 4\text{ cm}$



- KB: 1. Höhenstreifen h_c
2. α in $A \rightarrow C$
3. $\odot(A, c) \rightarrow B$

6. $b = 5\text{ cm}$ $c = 7,2\text{ cm}$ $h_b = 6\text{ cm}$

Skizze

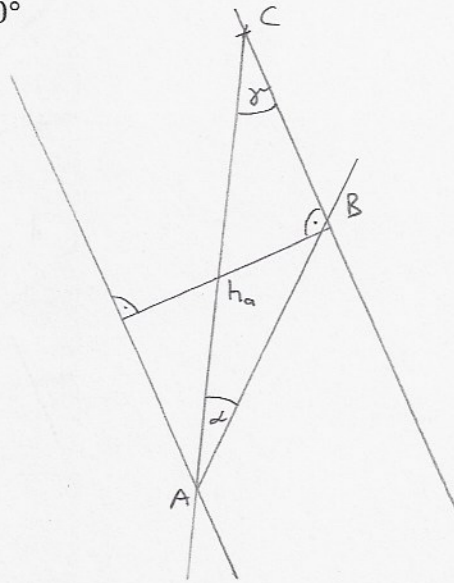
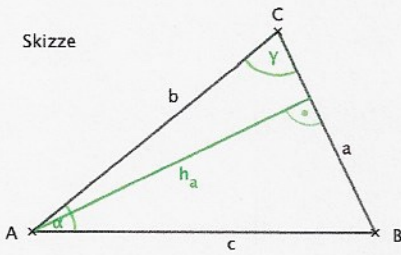


- KB: 1. Höhenstreifen h_b
2. $\odot(A, b) \rightarrow C$
3. $\odot(A, c) \rightarrow B$

7. $h_a = 3 \text{ cm}$ $\alpha = 20^\circ$

$\gamma = 30^\circ$

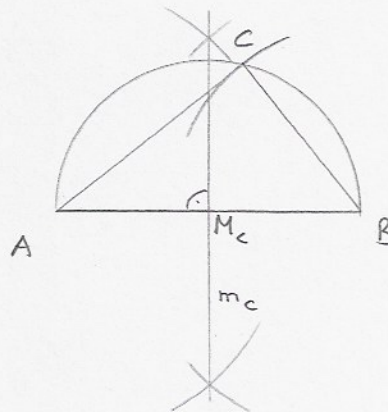
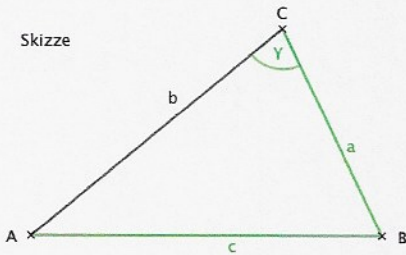
Skizze



- KB: 1. Höhenstreifen h_a
 2. γ in C \rightarrow A
 3. α in A \rightarrow B

8. $c = 4 \text{ cm}$ $a = 2,5 \text{ cm}$ $\gamma = 90^\circ$

Skizze

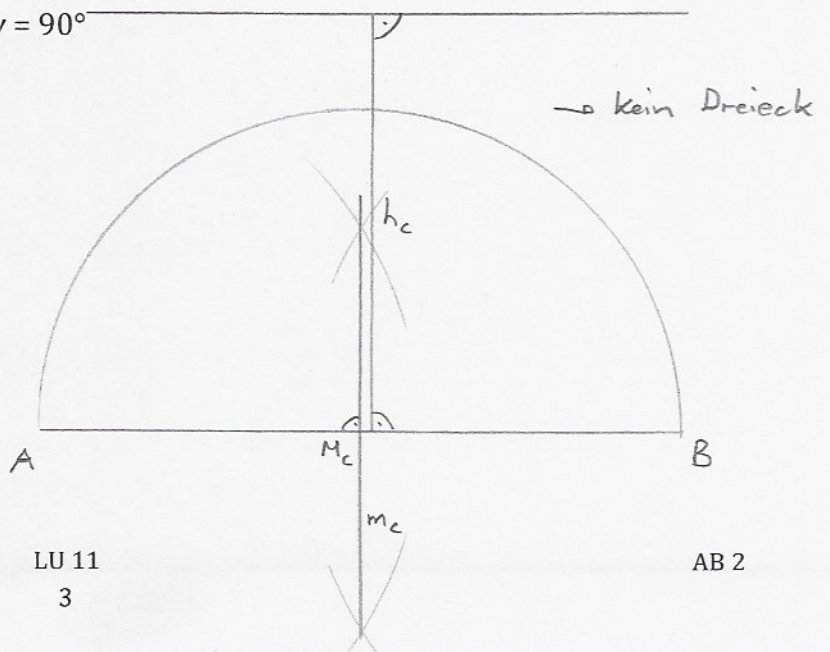
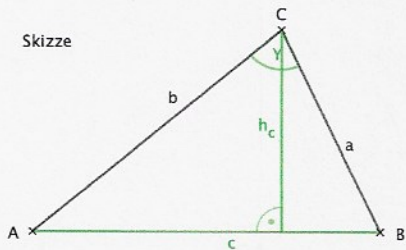


- KB: 1. $c \rightarrow A, B$
 2. $m_c \rightarrow M_c$
 3. Thaleskreis \overline{AB}
 4. $\odot (B, a) \rightarrow C$

9. $c = 8,5 \text{ cm}$ $h_c = 5,5 \text{ cm}$

$\gamma = 90^\circ$

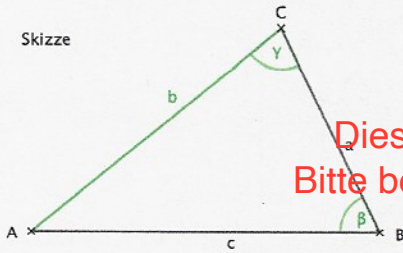
Skizze



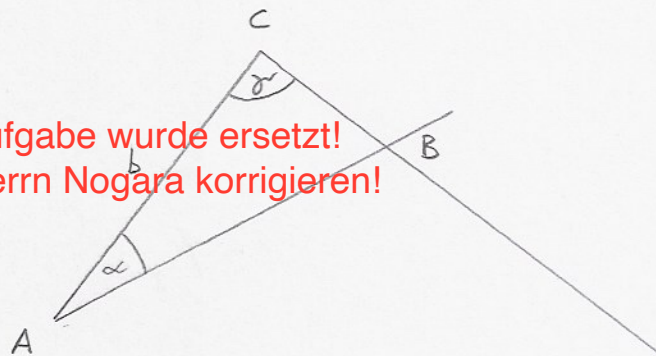
- KB: 1. $c \rightarrow A, B$
 2. Höhenstreifen h_c
 3. $m_c \rightarrow M_c$
 4. Thaleskreis $\overline{AB} \rightarrow C_1, C_2$

10. $b = 4,5\text{cm}$ $\beta = 65^\circ$ $\gamma = 90^\circ$

Skizze



Diese Aufgabe wurde ersetzt!
Bitte bei Herrn Nogara korrigieren!

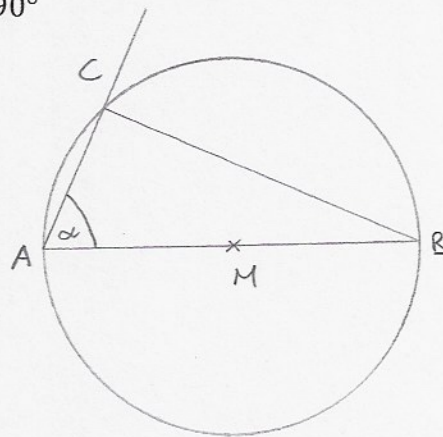
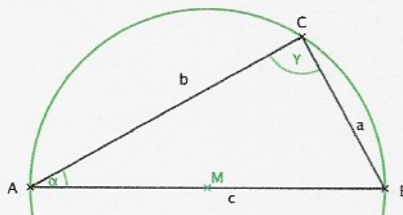


$$\alpha = 180^\circ - \beta - \gamma$$

- KB: 1. $b \rightarrow A, C$
2. $\gamma \cap \alpha \rightarrow B$

11. $r = 2,5\text{ cm}$ $\alpha = 65^\circ$ $\gamma = 90^\circ$

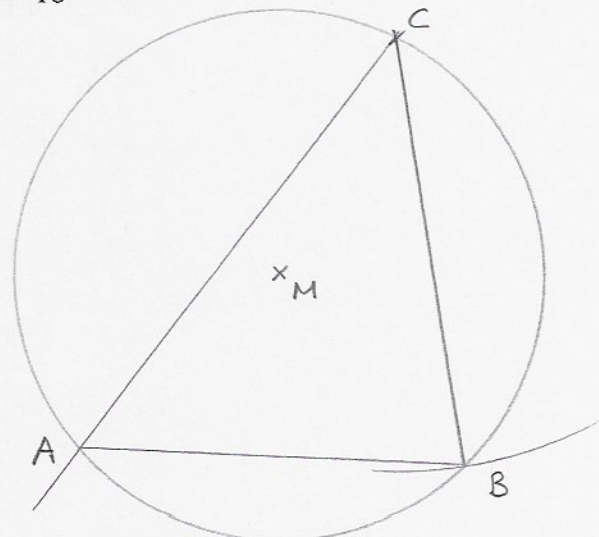
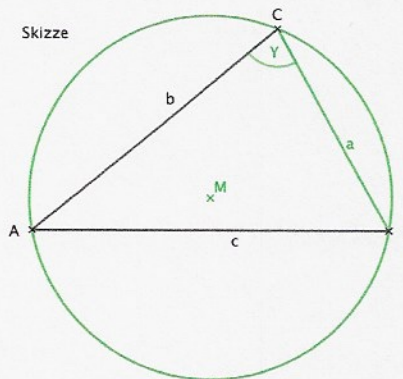
Skizze



- KB: 1. $\odot (M, r)$
2. $c = \text{Durchmesser} \rightarrow A, B$
3. $\alpha \text{ in } A \rightarrow C$

12. $r = 3,5\text{ cm}$ $a = 5,8\text{ cm}$ $\gamma = 46^\circ$

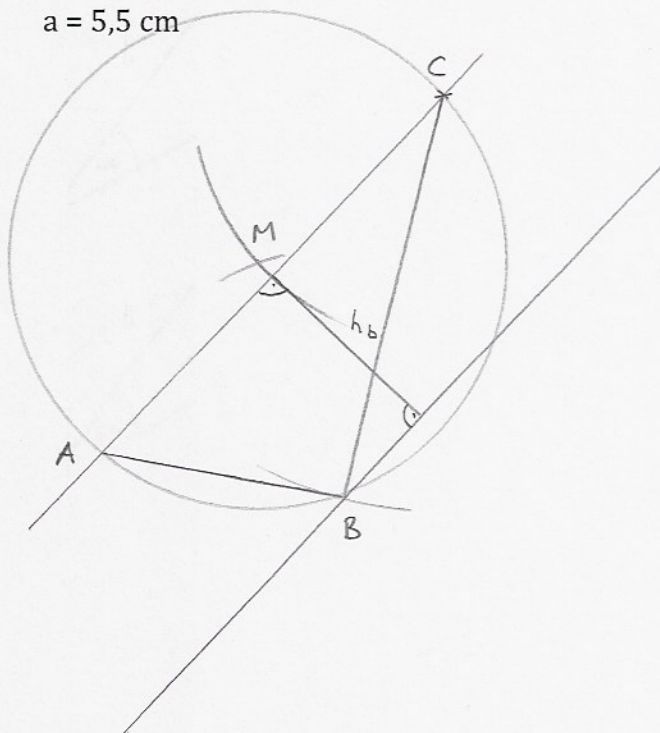
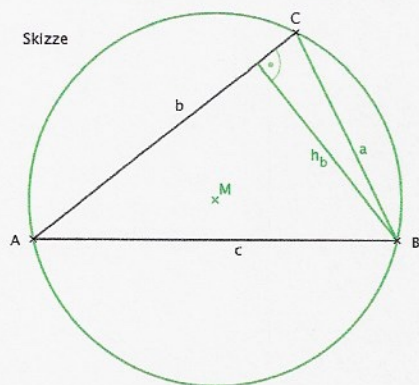
Skizze



- KB: 1. $\odot (M, r)$
2. $\odot (C, a) \rightarrow B$
3. $\gamma \text{ in } C \rightarrow A$

13. $r = 3,3 \text{ cm}$ $h_b = 2,7 \text{ cm}$

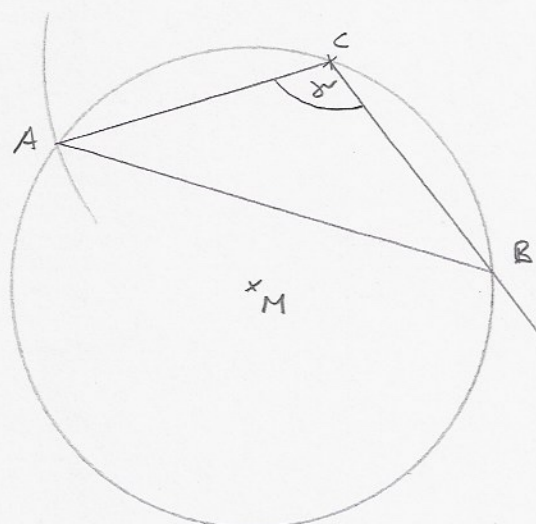
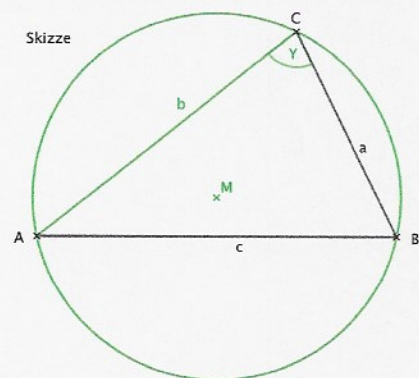
$a = 5,5 \text{ cm}$



- KB: 1. Höhenstreifen h_b
 2. $\odot (C, a) \rightarrow B$
 3. $\odot (C, r) \cap \odot (B, r) \rightarrow M$
 4. $\odot (M, r) \rightarrow A$

14. $b = 3,8 \text{ cm}$ $r = 3,2 \text{ cm}$

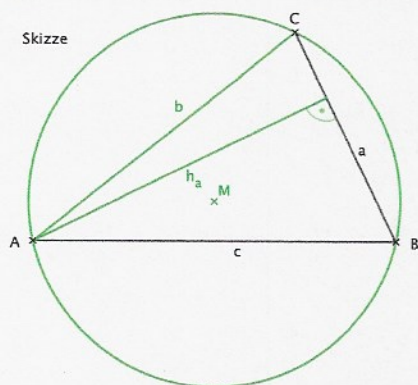
$\gamma = 110^\circ$



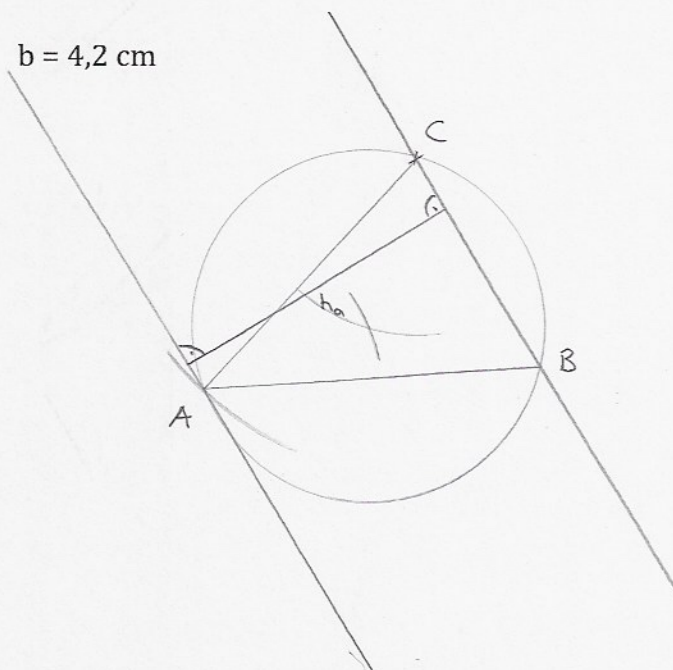
- KB: 1. $\odot (M, r)$
 2. $\odot (C, b) \rightarrow A$
 3. $\gamma \text{ in } C \rightarrow B$

15. $r = 2,3 \text{ cm}$ $h_a = 4 \text{ cm}$

Skizze



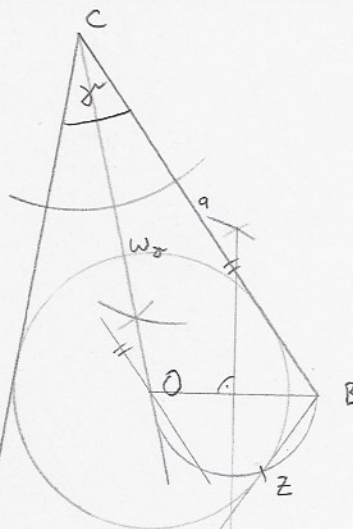
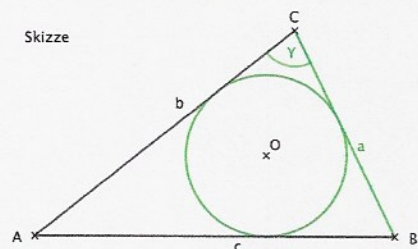
$b = 4,2 \text{ cm}$



- KB: 1. Höhenstreifen h_a
 2. $\odot(C, b) \rightarrow A$
 3. $\odot(C, r) \cap \odot(A, r) \rightarrow M$
 4. $\odot(M, r) \rightarrow B$

16. $\varrho = 1,8 \text{ cm}$ $a = 5,7 \text{ cm}$ $\gamma = 44^\circ$

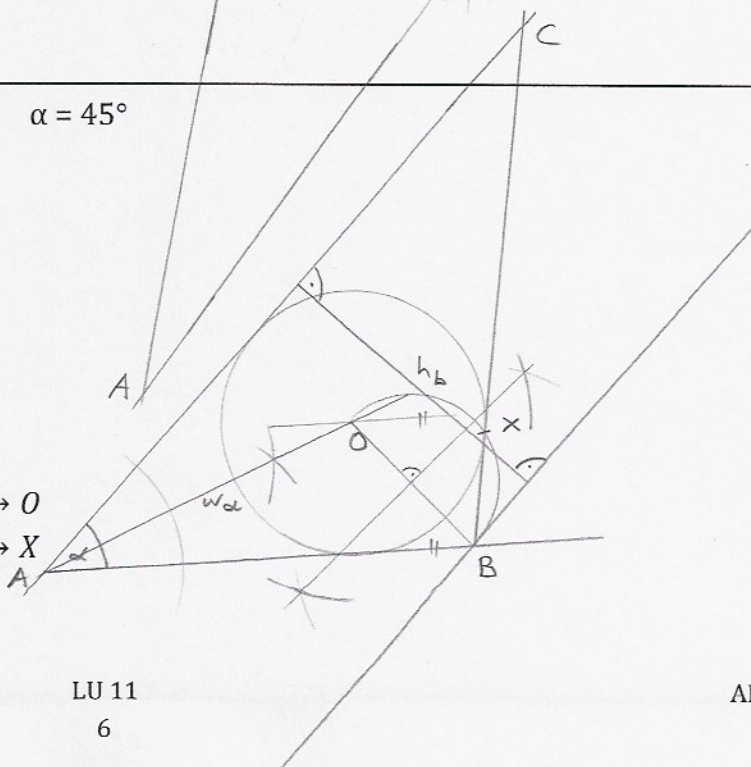
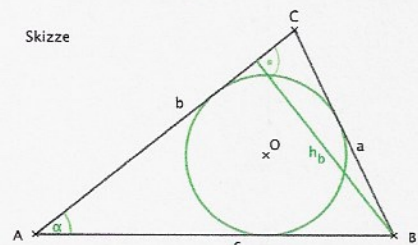
Skizze



- KB: 1. $a \rightarrow B, C$
 2. γ
 3. l zu a im Abstand $\varrho \cap w_\gamma \rightarrow O$
 4. Inkreis \cap Thaleskreis $\overline{BO} \rightarrow Z$
 5. $BZ \rightarrow A$

17. $\varrho = 1,7 \text{ cm}$ $h_b = 4 \text{ cm}$ $\alpha = 45^\circ$

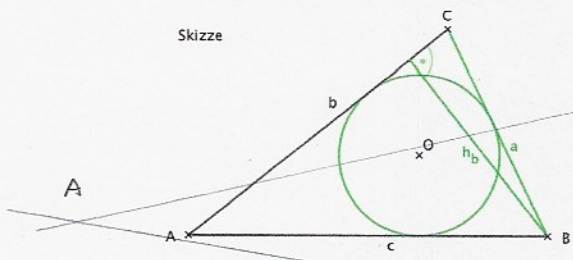
Skizze



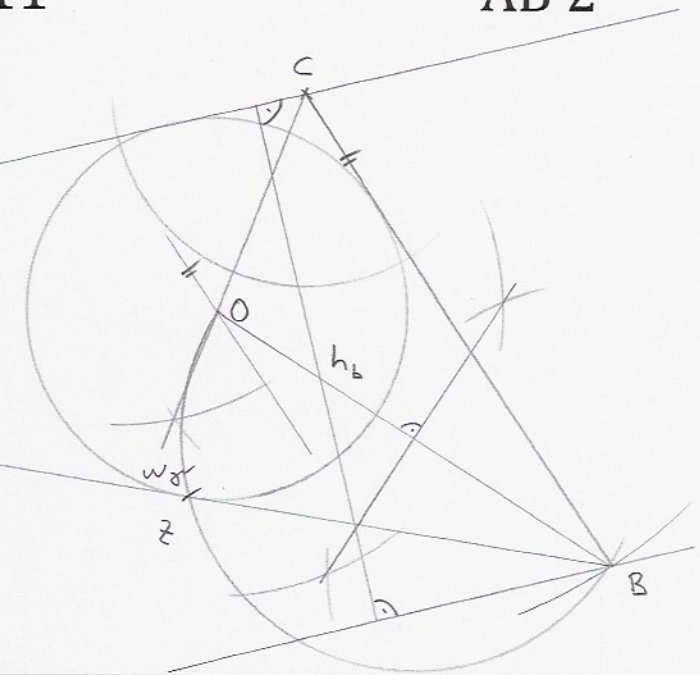
- KB: 1. Höhenstreifen h_b
 2. α in $A \rightarrow B$
 3. l zu c im Abstand $\varrho \cap w_\alpha \rightarrow O$
 4. Inkreis \cap Thaleskreis $\overline{BO} \rightarrow X$
 5. $BX \rightarrow C$

18. $\rho = 2,5 \text{ cm}$ $h_b = 7 \text{ cm}$ $a = 7,5 \text{ cm}$

Skizze

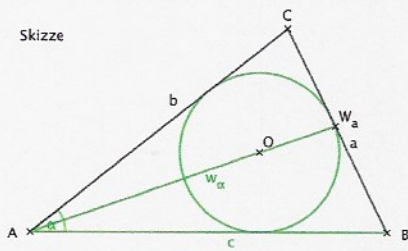


- KB: 1. Höhenstreifen h_b
 2. $\odot (C, a) \rightarrow B$
 3. l zu a im Abstand $\rho \cap w_\gamma \rightarrow O$
 4. Inkreis \cap Thaleskreis $\overline{BO} \rightarrow Z$
 5. $BZ \rightarrow A$

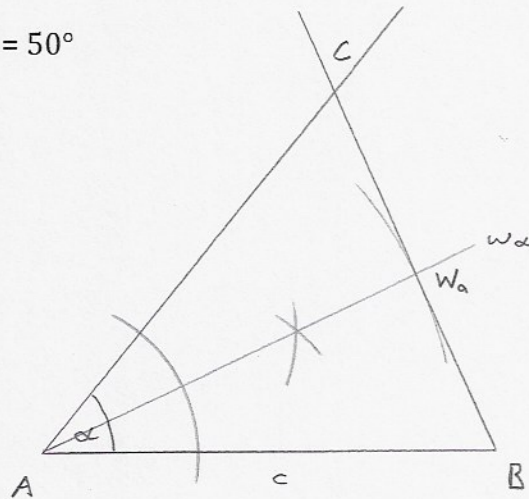


19. $w_\alpha = 5,5 \text{ cm}$ $c = 6 \text{ cm}$ $\alpha = 50^\circ$

Skizze

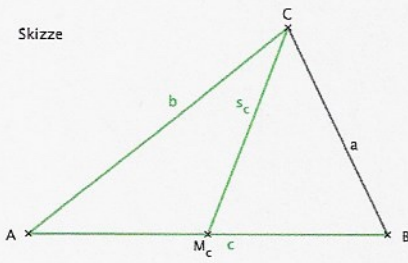


- KB: 1. $c \rightarrow A, B$
 2. α
 3. $w_\alpha \cap \odot (A, \overline{AW_a}) \rightarrow W_a$
 4. $BW_a \rightarrow C$

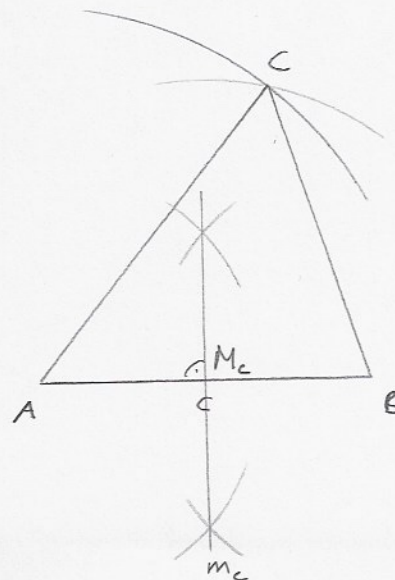


20. $s_c = 4 \text{ cm}$ $b = 5 \text{ cm}$ $c = 4,4 \text{ cm}$

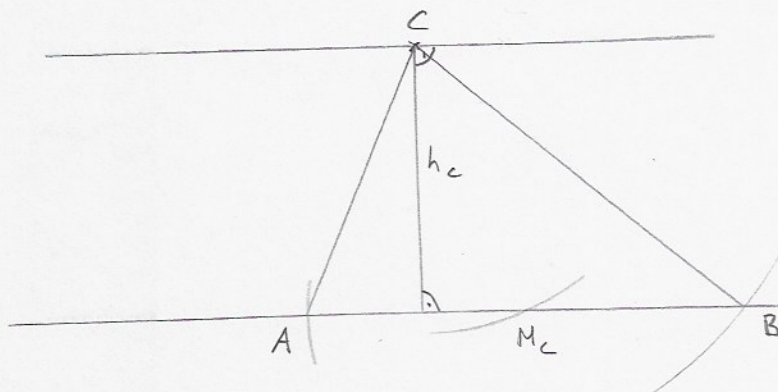
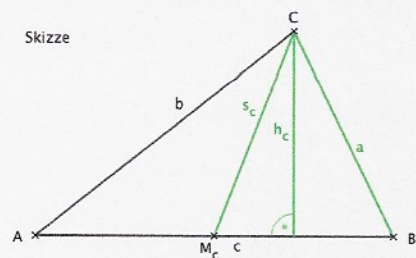
Skizze



- KB: 1. $c \rightarrow A, B$
 2. $m_c \rightarrow M_c$
 3. $\odot (A, b) \cap \odot (M_c, s_c) \rightarrow C$

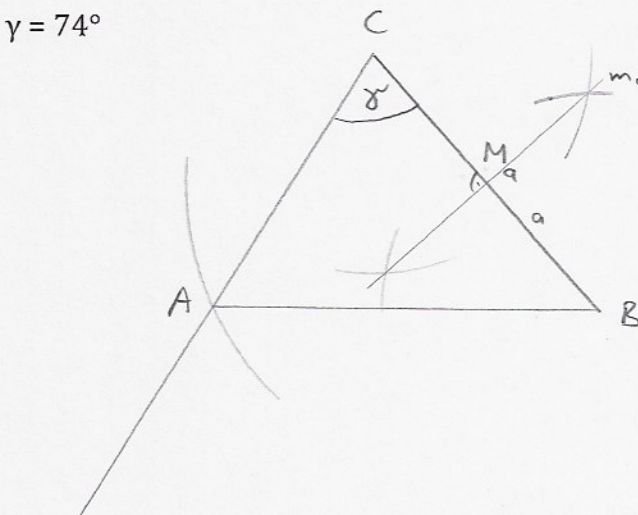
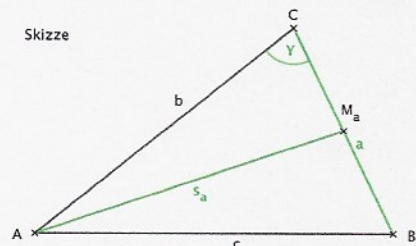


21. $s_c = 3,8 \text{ cm}$ $a = 5,6 \text{ cm}$ $h_c = 3,5 \text{ cm}$



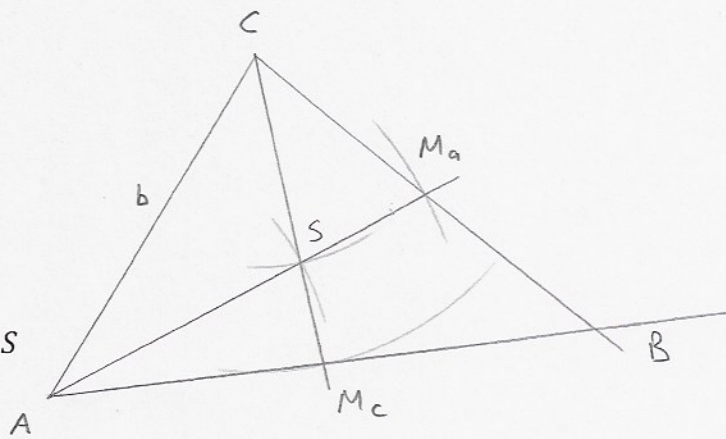
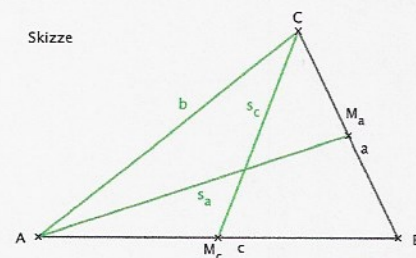
- KB: 1. Höhenstreifen h_c
 2. $\odot (C, a) \rightarrow B$
 3. $\odot (C, s_c) \rightarrow M_c$
 4. $\odot (M_c, \overline{BM_c}) \rightarrow A$

22. $s_a = 4 \text{ cm}$ $a = 4,5 \text{ cm}$ $\gamma = 74^\circ$



- KB: 1. $a \rightarrow B, C$
 2. γ in C
 3. $m_a \rightarrow M_a$
 4. $\odot (M_a, s_a) \rightarrow A$

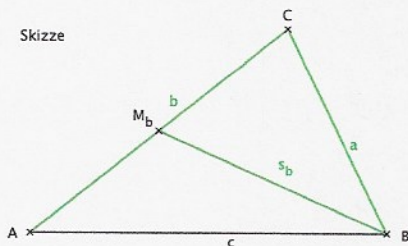
23. $s_a = 5,7 \text{ cm}$ $s_c = 4,2 \text{ cm}$ $b = 5,3 \text{ cm}$



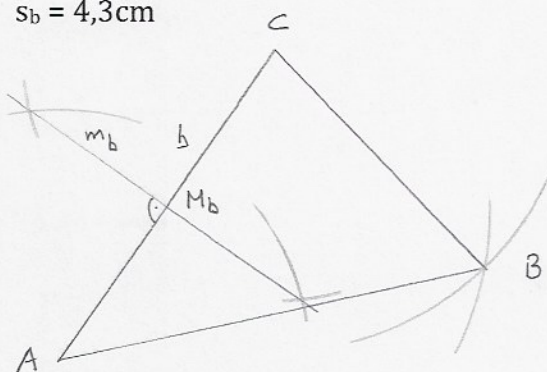
- KB: 1. $b \rightarrow A, C$
 2. $\odot (A, \frac{2}{3}s_a) \cap \odot (C, \frac{2}{3}s_c) \rightarrow S$
 3. $s_c \cap \odot (C, s_c) \rightarrow M_c$
 4. $s_a \cap \odot (A, s_a) \rightarrow M_a$
 5. $AM_c \cap CM_a \rightarrow B$

24. $a = 4\text{cm}$ $b = 5\text{cm}$

Skizze



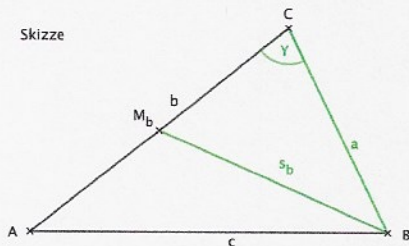
$s_b = 4,3\text{cm}$



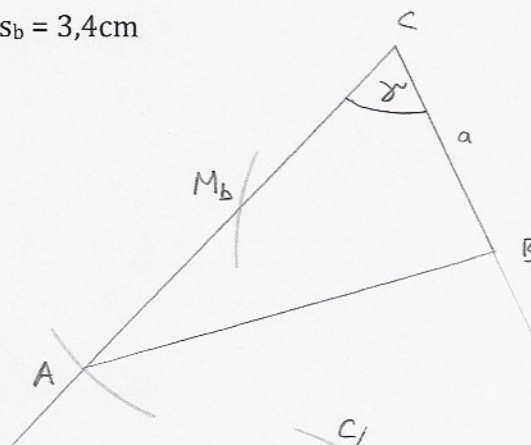
- KB: 1. $b \rightarrow A, C$
 2. $m_b \rightarrow M_b$
 3. $\odot(C, a) \cap \odot(M_b, s_b) \rightarrow B$

25. $a = 3\text{cm}$ $\gamma = 70^\circ$

Skizze



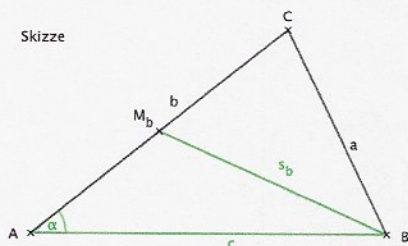
$s_b = 3,4\text{cm}$



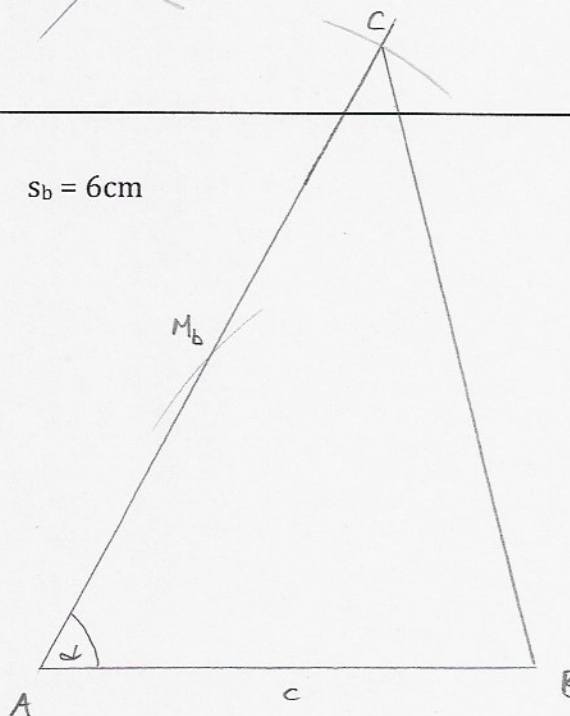
- KB: 1. $a \rightarrow B, C$
 2. $\gamma \text{ in } C \cap \odot(B, s_b) \rightarrow M_b$
 3. $\odot(M_b, \overline{CM_b}) \rightarrow A$

26. $c = 6,6\text{cm}$ $\alpha = 61^\circ$

Skizze



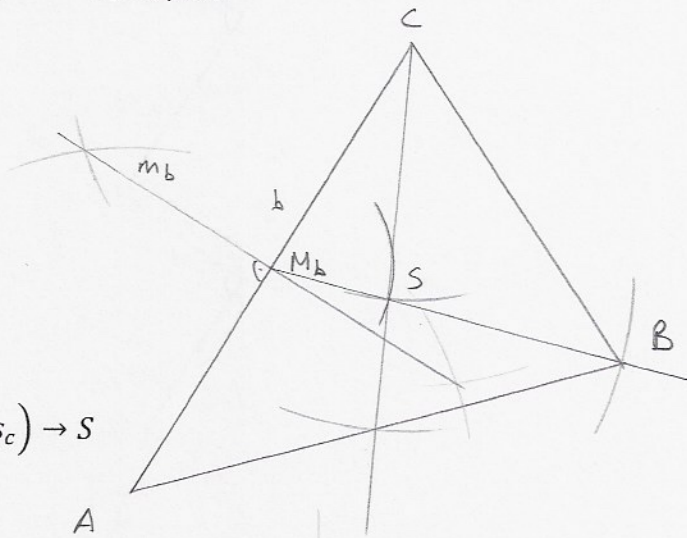
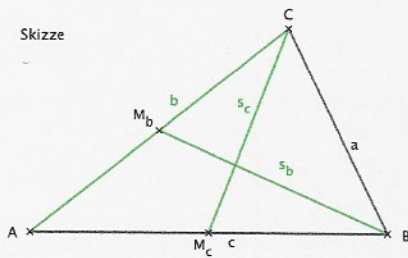
$s_b = 6\text{cm}$



- KB: 1. $c \rightarrow A, B$
 2. $\alpha \text{ in } A \cap \odot(B, s_b) \rightarrow M_b$
 3. $\odot(M_b, \overline{AM_b}) \rightarrow C$

27. $b = 7\text{cm}$ $s_b = 4,8\text{cm}$ $s_c = 5,1\text{cm}$

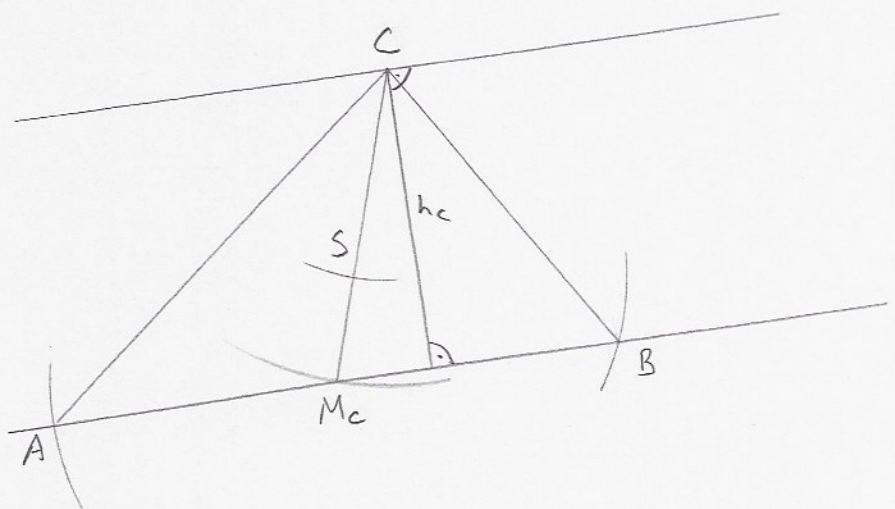
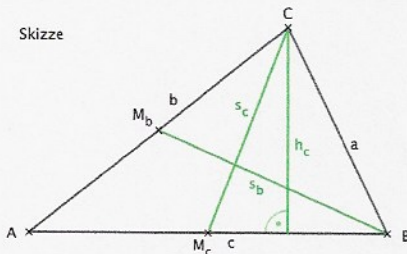
Skizze



- KB:
1. $b \rightarrow A, C$
 2. $m_b \rightarrow M_b$
 3. $\odot (M_b, \frac{1}{3}s_b) \cap \odot (C, \frac{2}{3}s_c) \rightarrow S$
 3. $s_b \cap \odot (M_b, s_b) \rightarrow B$

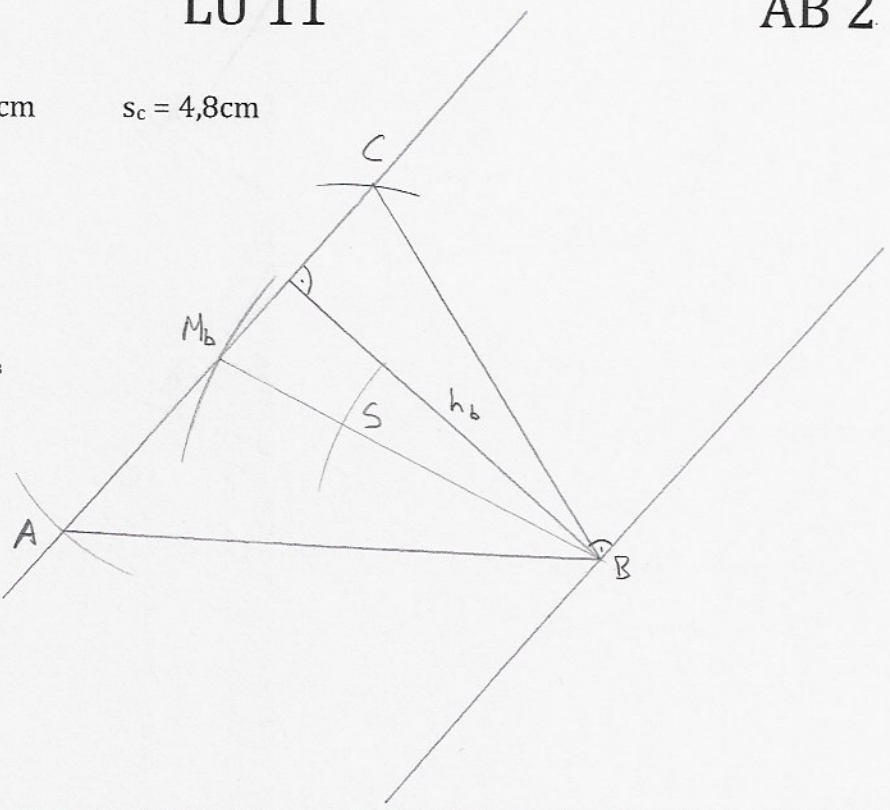
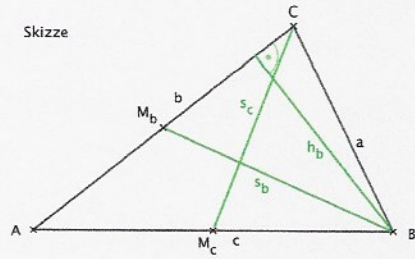
28. $h_c = 4\text{cm}$ $s_b = 5,4\text{cm}$ $s_c = 4,2\text{cm}$

Skizze



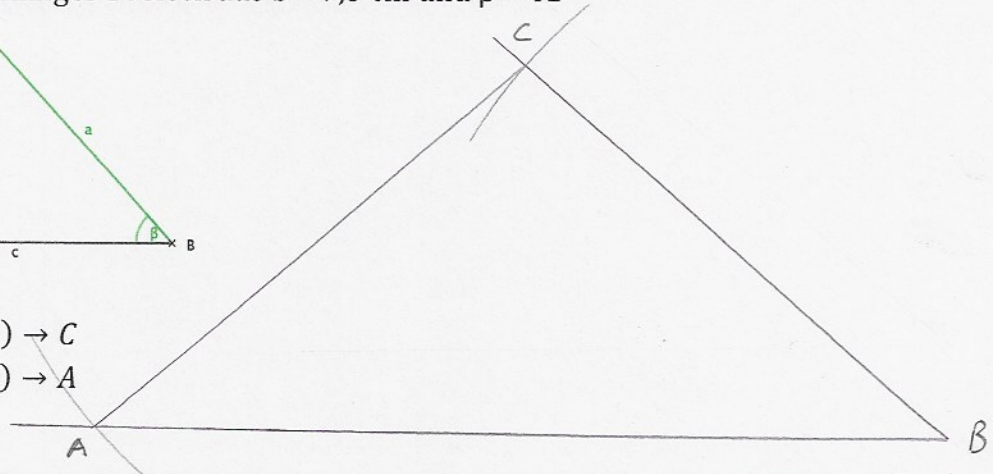
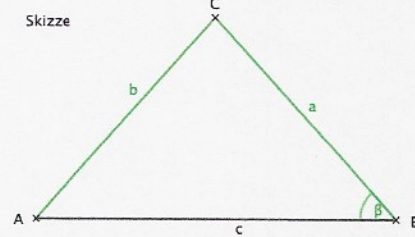
- KB:
1. Höhenstreifen h_c
 2. $\odot (C, s_c) \rightarrow M_c$
 3. $\odot (C, \frac{2}{3}s_c) \rightarrow S$
 4. $\odot (S, \frac{2}{3}s_b) \rightarrow B$
 5. $\odot (B, \overline{BM_c}) \rightarrow A$

29. $h_b = 5,5\text{cm}$ $s_b = 5,7\text{cm}$ $s_c = 4,8\text{cm}$



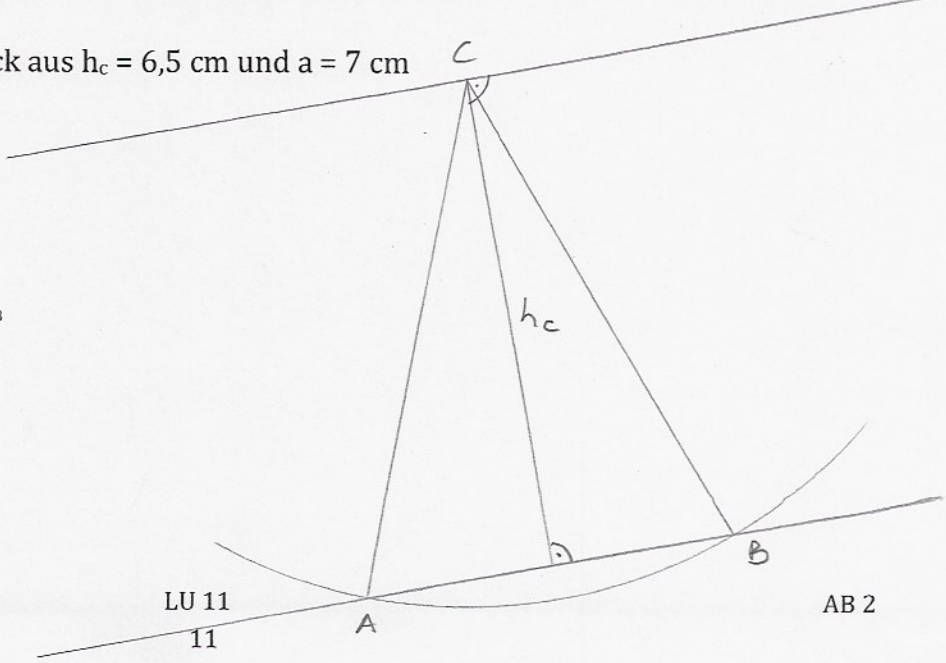
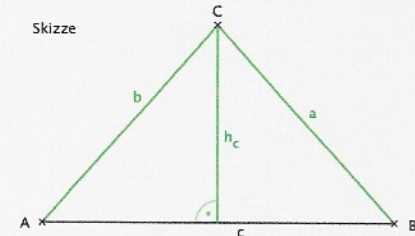
- KB:
1. Höhenstreifen h_b
 2. $\odot (B, s_b) \rightarrow M_b$
 3. $\odot (B, \frac{2}{3}s_b) \rightarrow S$
 4. $\odot (S, \frac{2}{3}s_c) \rightarrow C$
 5. $\odot (C, \overline{CM_b}) \rightarrow A$

30. gleichschenkliges Dreieck aus $b = 7,5\text{ cm}$ und $\beta = 41^\circ$



- KB:
1. β in B
 2. $\odot (B, b) \rightarrow C$
 3. $\odot (C, b) \rightarrow A$

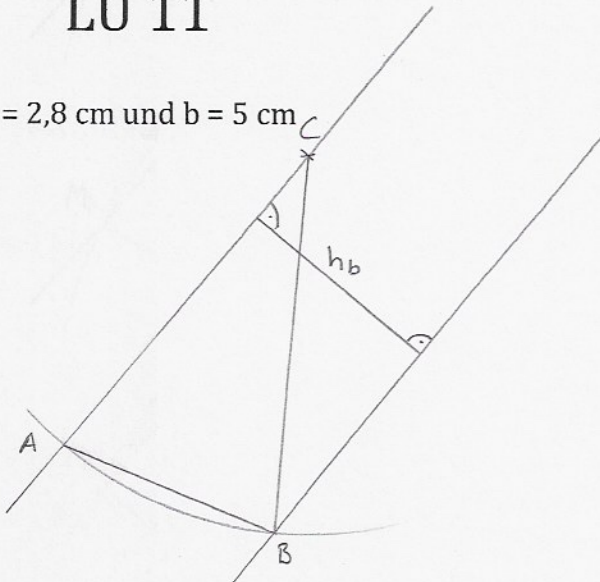
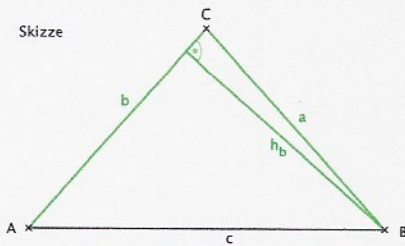
31. gleichschenkliges Dreieck aus $h_c = 6,5\text{ cm}$ und $a = 7\text{ cm}$



- KB:
1. Höhenstreifen h_c
 2. $\odot (C, a) \rightarrow A, B$

32. gleichschenkliges Dreieck aus $h_b = 2,8 \text{ cm}$ und $b = 5 \text{ cm}$

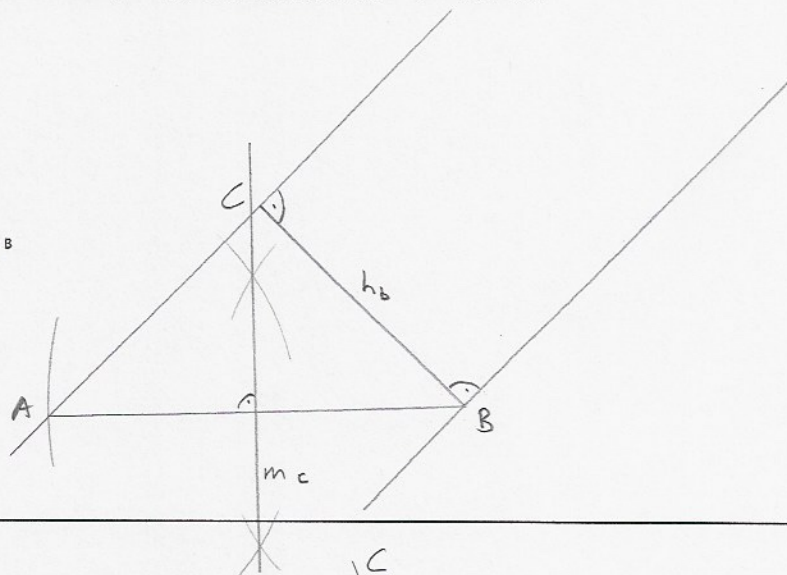
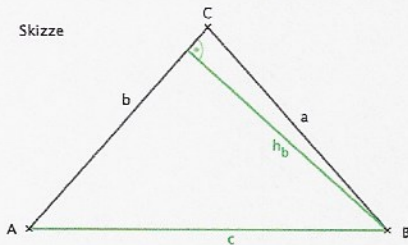
Skizze



- KB: 1. Höhenstreifen h_b
 2. $\odot (C, b) \rightarrow A, B$

33. gleichschenkliges Dreieck aus $h_b = 3,8 \text{ cm}$ und Basis $= c = 5,5 \text{ cm}$

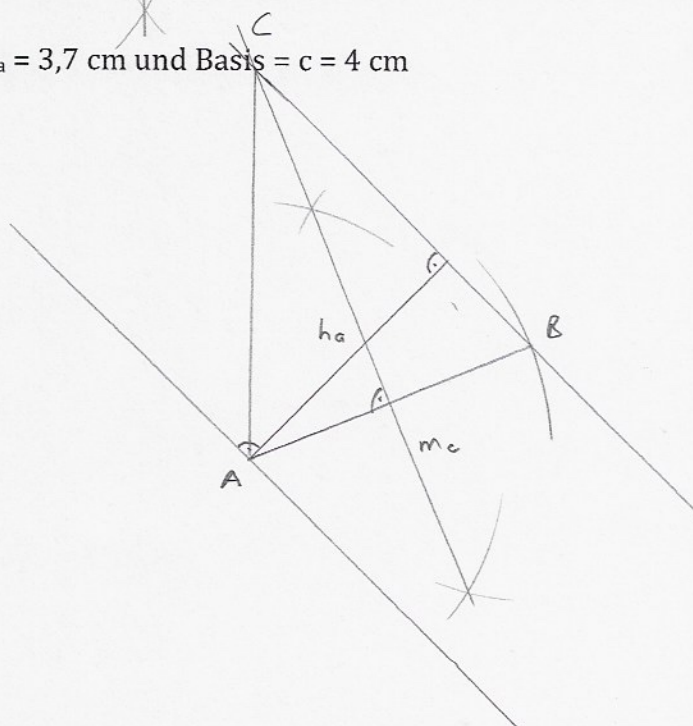
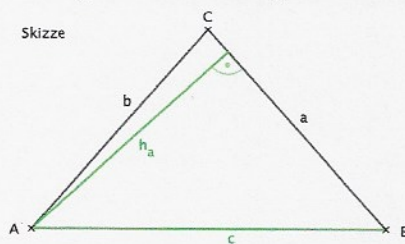
Skizze



- KB: 1. Höhenstreifen h_b
 2. $\odot (B, c) \rightarrow A$
 3. $m_c \rightarrow C$

34. gleichschenkliges Dreieck aus $h_a = 3,7 \text{ cm}$ und Basis $= c = 4 \text{ cm}$

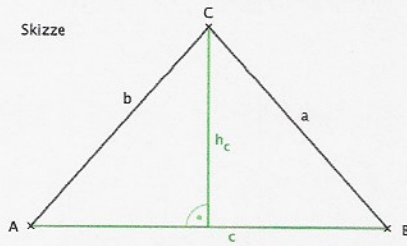
Skizze



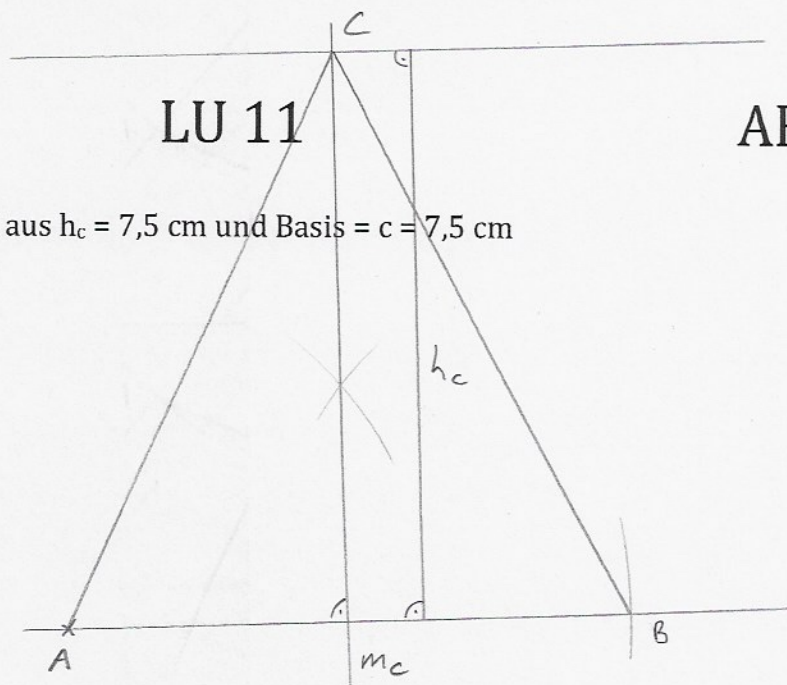
- KB: 1. Höhenstreifen h_a
 2. $\odot (A, c) \rightarrow B$
 3. $m_c \rightarrow C$

35. gleichschenkliges Dreieck aus $h_c = 7,5 \text{ cm}$ und Basis $= c = 7,5 \text{ cm}$

Skizze

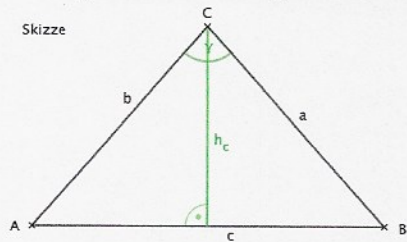


- KB: 1. Höhenstreifen h_c
 2. $\odot (A, c) \rightarrow B$
 3. $m_c \rightarrow C$



36. gleichschenkliges Dreieck aus $h_c = 6 \text{ cm}$ und $\gamma = 80^\circ$

Skizze



- KB: 1. Höhenstreifen h_c
 2. $\frac{\gamma}{2}$ in C zu $h_c \rightarrow A$
 3. $\frac{\gamma}{2}$ in C zu $h_c \rightarrow B$

