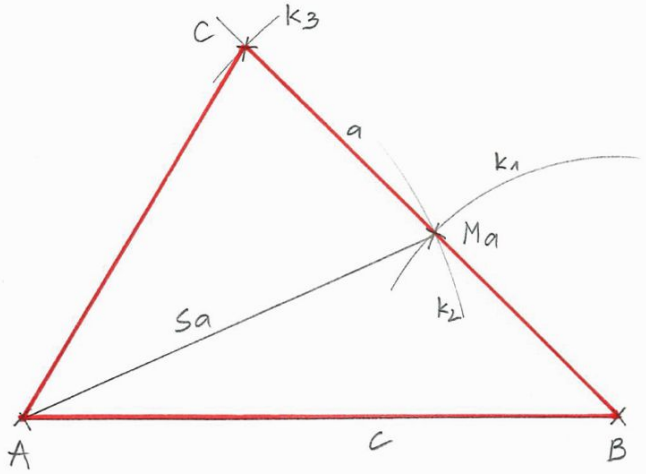
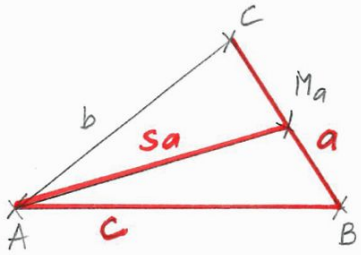
Schwerelinien / Seitenhalbierende : Erste Dreieckskonstruktionen

1. Konstruiere ein Dreieck ABC aus: c = 8cm, a = 7cm, s_a = 6cm.

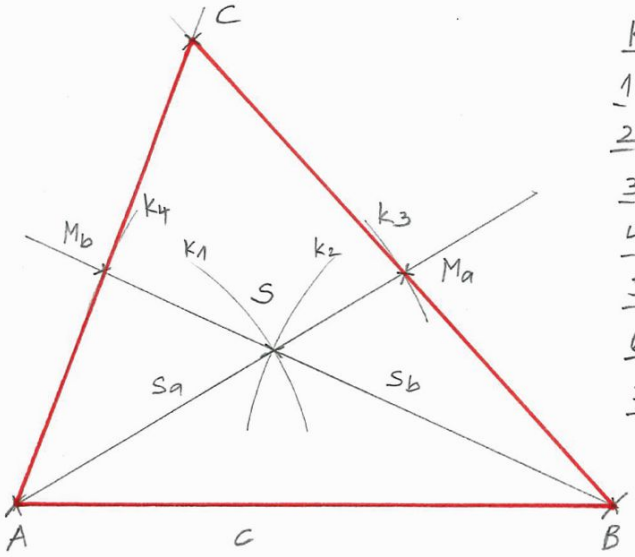


Konstruktionsbericht:

1. $c = \overline{AB}$
2. $k_1(B, \frac{a}{2})$
3. $k_2(A, s_a)$
4. $k_1 \cap k_2 = \{M_a\}$
5. BM_a
6. $k_3(B, a)$
7. $k_3 \cap BM_a = \{C\}$

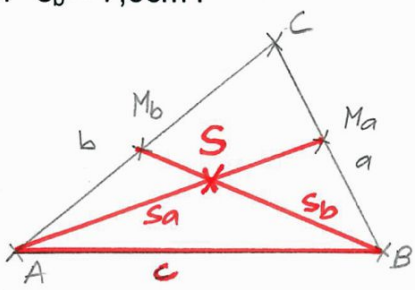


2. Konstruiere ein Dreieck ABC aus: c = 8cm, s_a = 6cm s_b = 7,5cm .

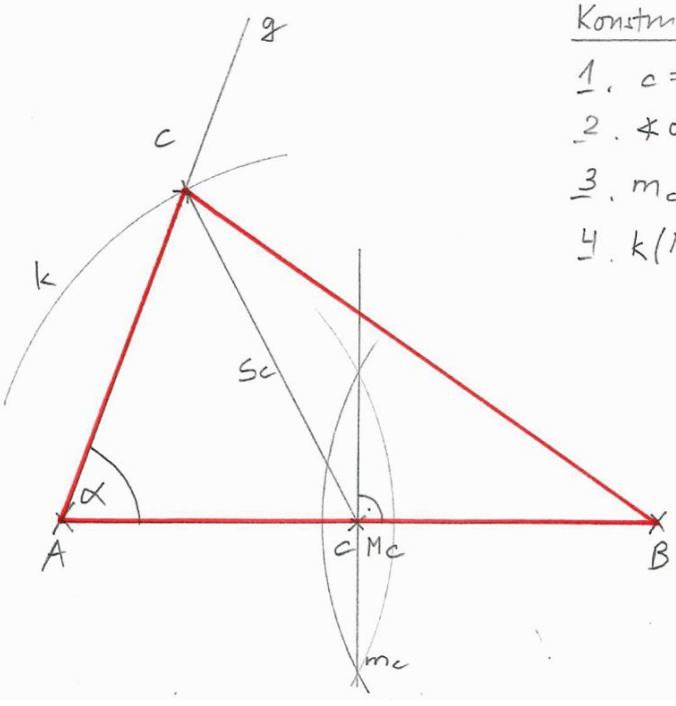


Konstruktionsbericht:

1. $c = \overline{AB}$
2. $k_1(A, \frac{2}{3}s_a)$
3. $k_2(B, \frac{2}{3}s_b)$
4. $k_1 \cap k_2 = \{S\}$
5. $k_3(A, s_a) \cap AS = \{M_a\}$
6. $k_4(B, s_b) \cap BS = \{M_b\}$
7. $AM_b \cap BM_a = \{C\}$



3. Konstruiere ein Dreieck ABC aus: c = 8cm, $\alpha = 70°$, s_c = 5cm .



Konstruktionsbericht:

1. $c = \overline{AB}$
2. $\sphericalangle \alpha$ in A an c → g
3. $m_c \cap c = \{M_c\}$
4. $k(M_c, s_c) \cap g = \{C\}$