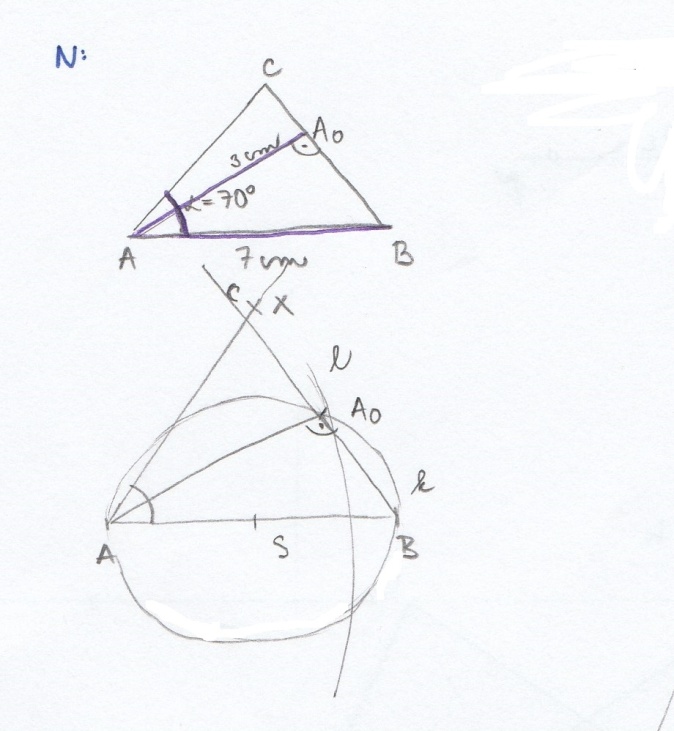
**KONSTRUKCE TROJÚHELNÍKŮ**

*Do 4.5.2020 mi pošlete ke kontrole všechny konstrukce, do sešitu si také dělejte náčrtky a pište postupy.*

*Doprovodné video ke konstrukci 1. a 2. příkladu.*

<https://youtu.be/hxnHF4OIKCQ>

1. Trojúhelník ABC: = 7cm, = 70°, va = 3cm.



P.: 1. AB; = 7cm

2. S; S je střed AB

3. k; k(S, r = 3,5cm)

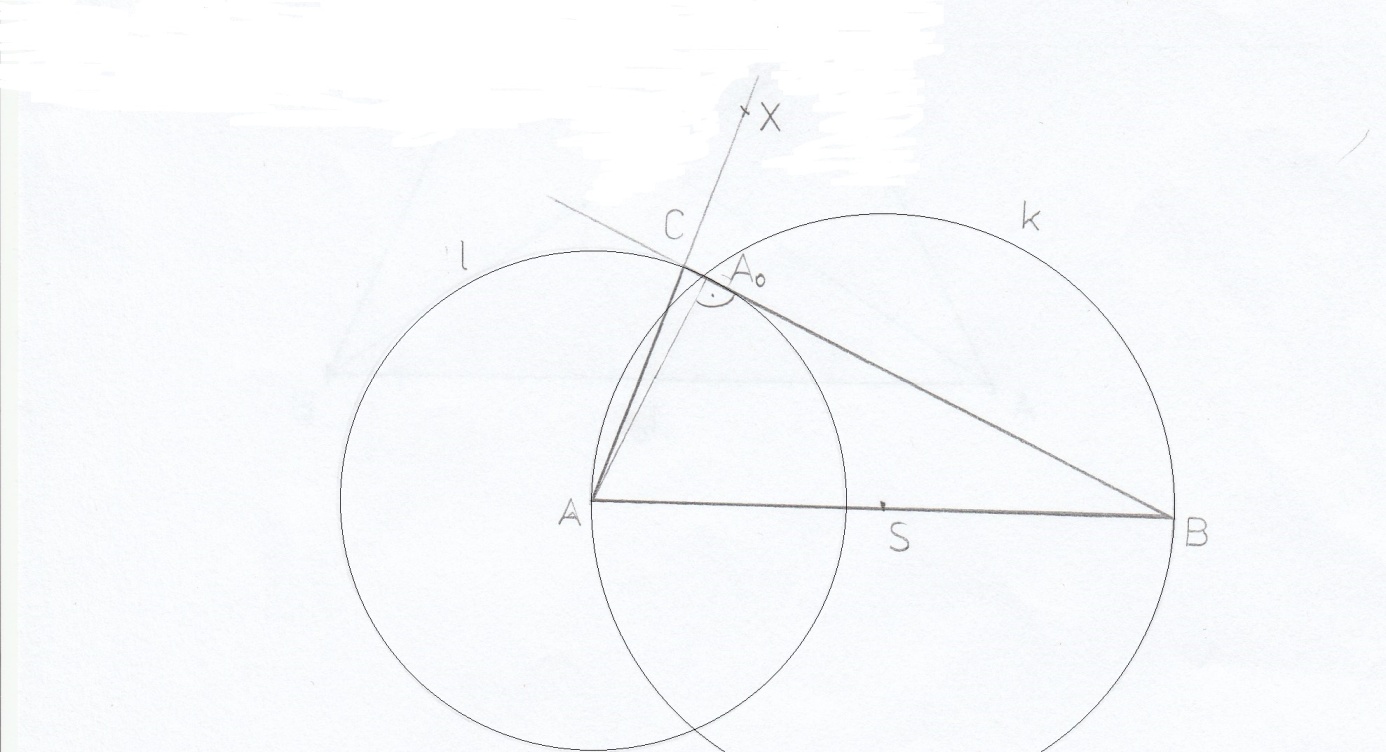
4. l; l(A, r = 4cm)

5. A0; A0 k l

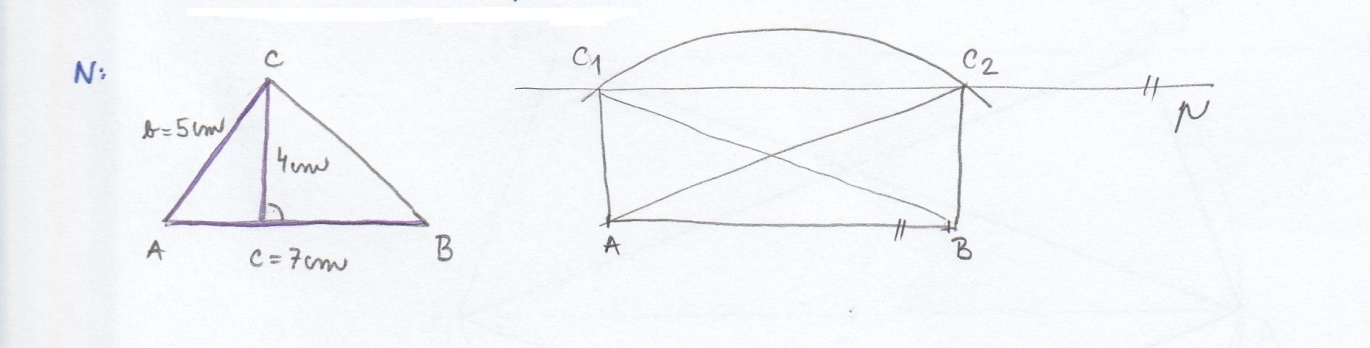
6. m; m (S, r = 5,5cm)

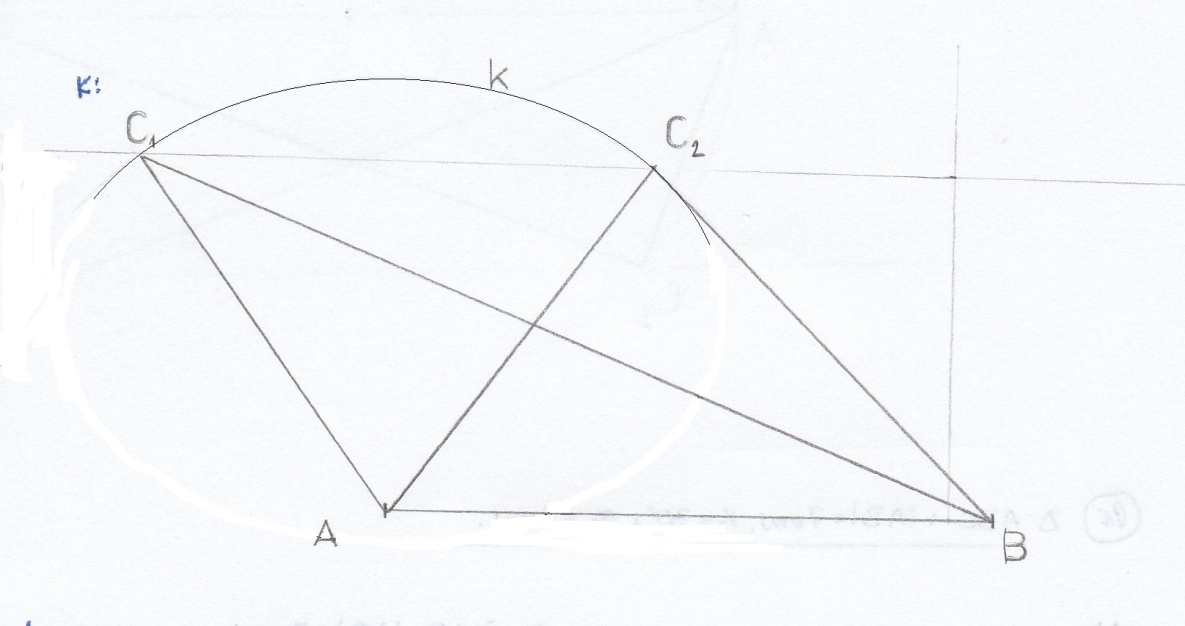
7. C; C m BA0

8. ABC

K: 

1. Trojúhelník ABC: c = 7cm, vc = 4cm, b = 5cm.



P.: 1. AB; = 7cm

2. p; p AB ve vzdálenosti vc = 4cm

3. k; k (A, r = 5cm)

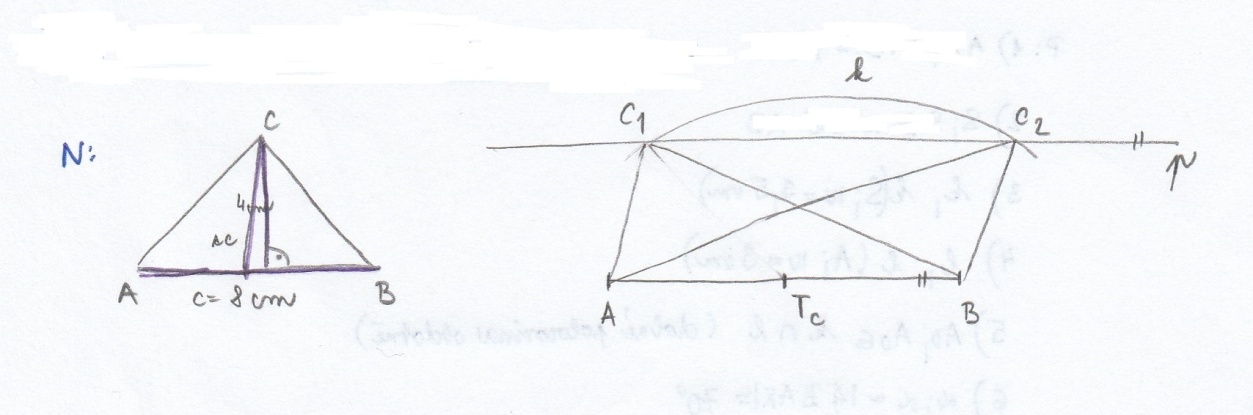
4. C1,C2; = pk

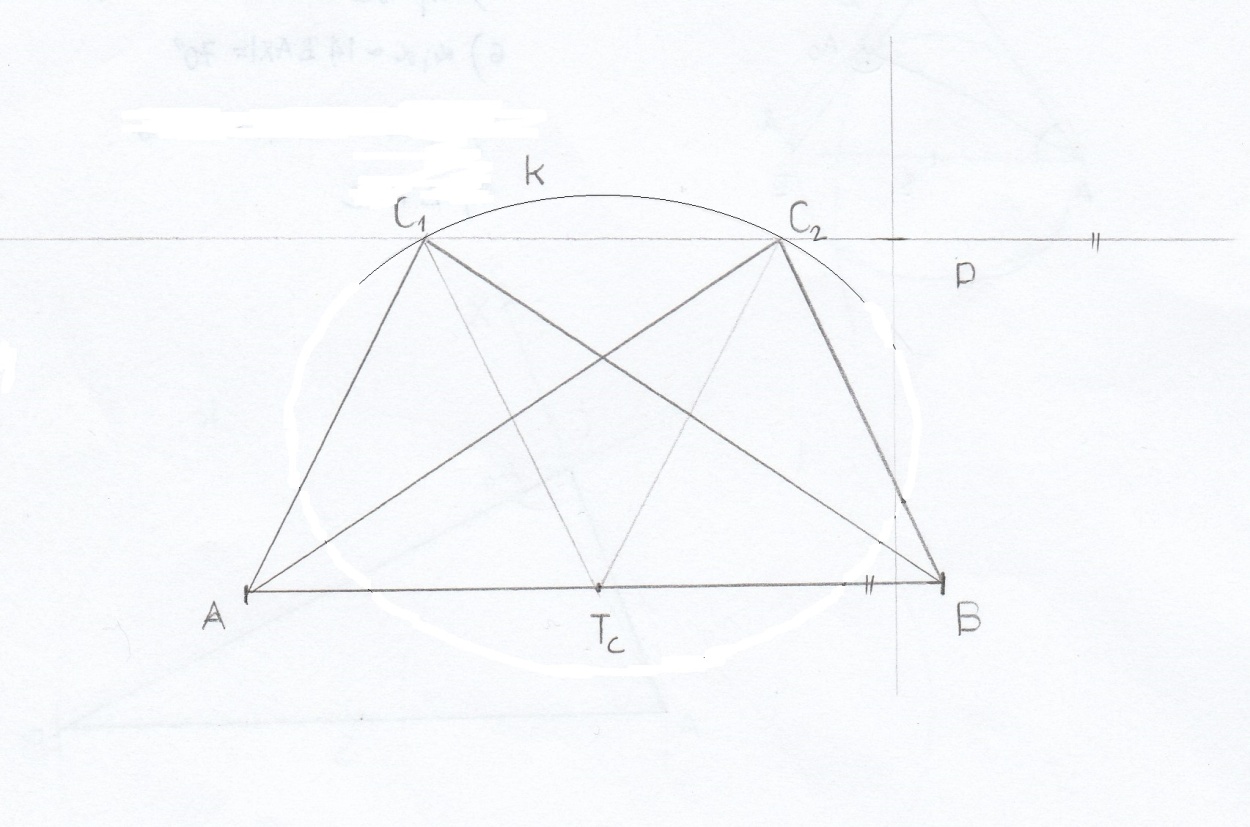
5. ABC1, ABC2

*Komentář ke konstrukci 3. a 4. příkladu je zde:*

<https://youtu.be/BnrT5Xqh4zY>

1. Trojúhelník ABC, c = 8cm, vc = 4cm, tc = 4,5cm.



P: 1. AB; = 8cm

2. p; p AB ve vzdálenosti vc = 4cm

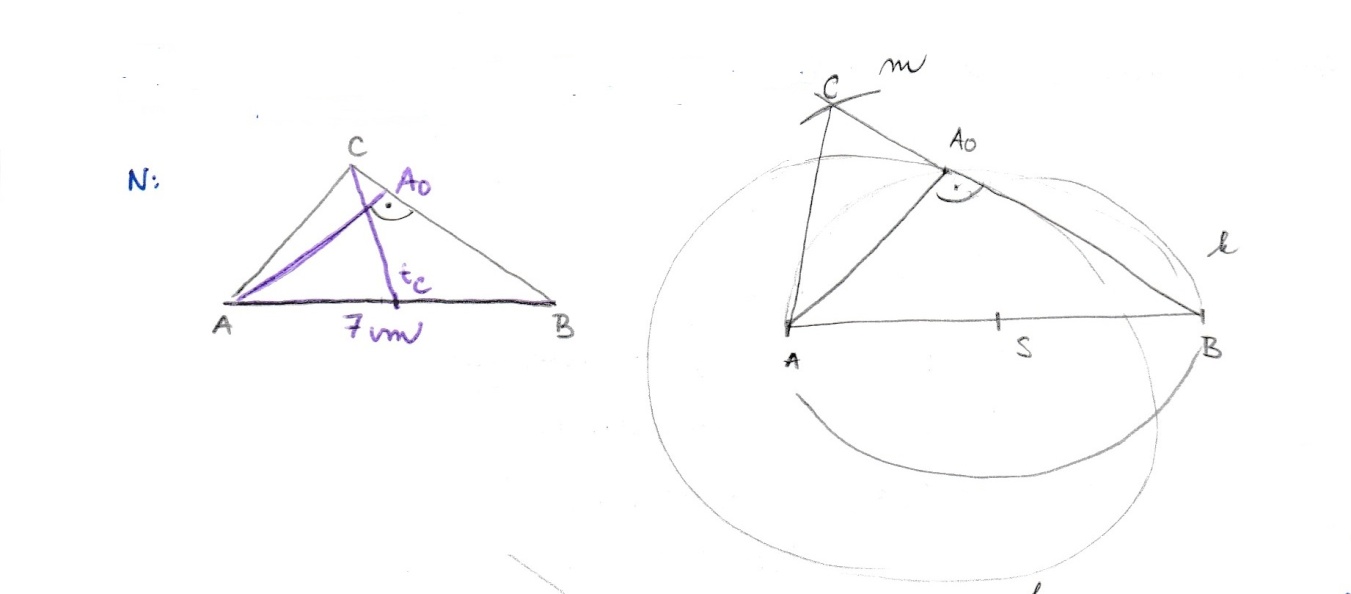
3. Tc; Tc je střed AB

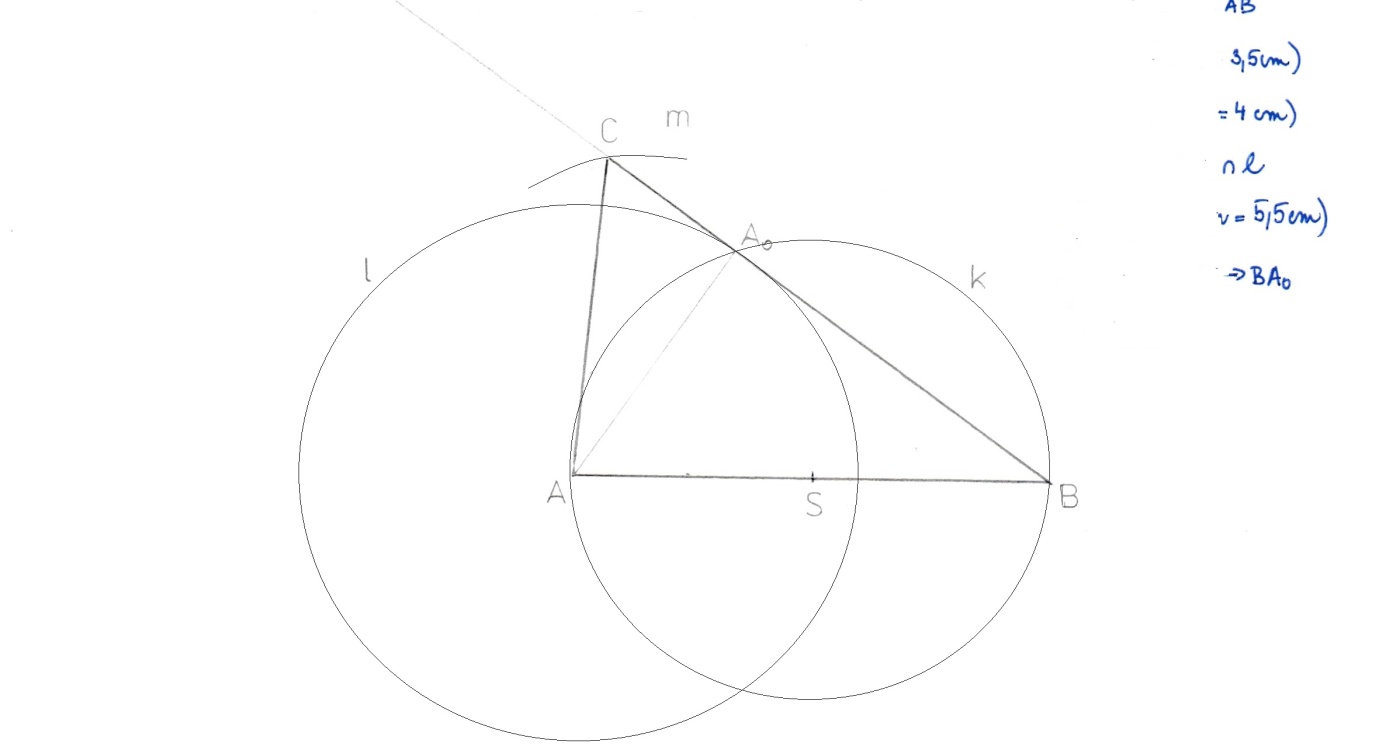
4. k; k (Tc, r = 4,5cm)

5. C1,C2; = pk

6. ABC1, ABC2

4. Trojúhelník ABC: = 7cm, tc = 5,5cm, va = 4cm



P.: 1. AB; = 7cm

2. S; S je střed AB

3. k; k (S,r = 3,5cm)

4. l; l(A, r = 4cm)

5. A0;A0 k l

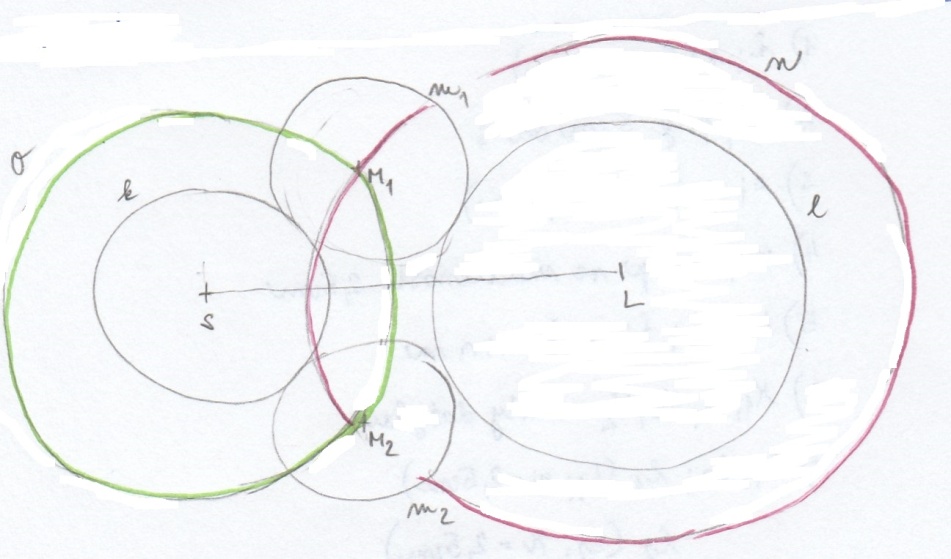
6. m; m (S, r = 5,5cm)

7. C; Cm BA0

8. ABC

1. Narýsuj k (S, r = 2cm), l (L, r = 3cm), = 7cm a kružnici m o poloměru 2,5cm, která se jich dotýká.

Video: <https://youtu.be/Lujl53SjaPE>



P. 1. SL; = 7cm

2. k; k(S, r = 2cm)

3. l; l(L, r = 3cm)

4. o; o(S, r = 4,5cm)

5. n; n (L,r = 5,5cm)

6. M1,M2; = on

7. X1,X2; Y1,Y2 – body dotyku

8. m1,m2; m1 (M1, r = 2,5cm)

m2 (M2, r = 2,5cm)

