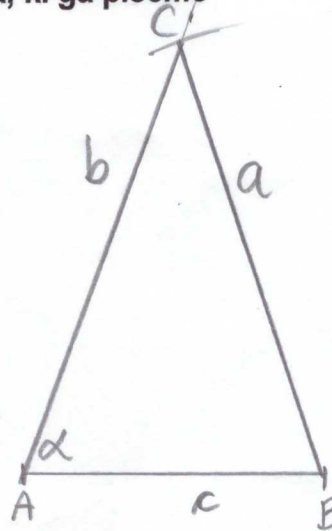
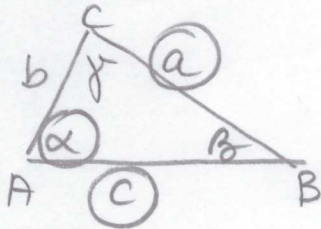


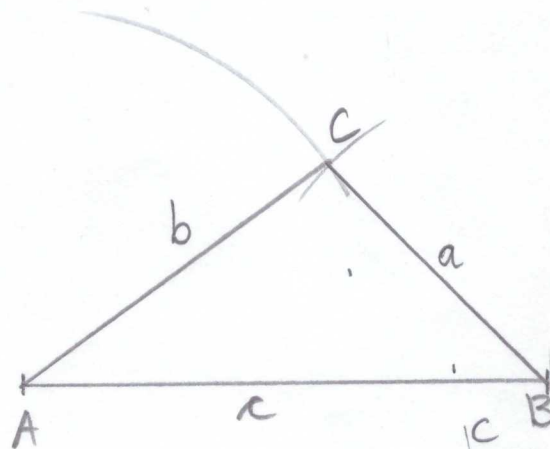
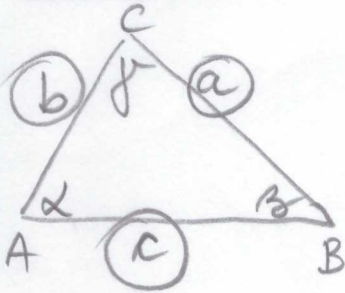
Vaje za preizkus znanja, ki ga pišemo

1. Nariši trikotnike z naslednjimi podatki:
(skice so obvezne)

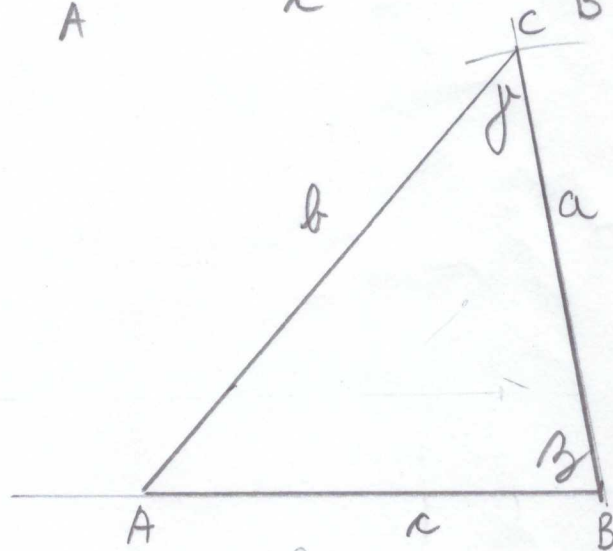
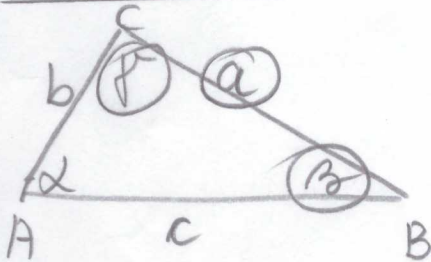
- a) $a = 6 \text{ cm}$
 $c = 4 \text{ cm}$
 $\alpha (\text{alfa}) = 70^\circ$



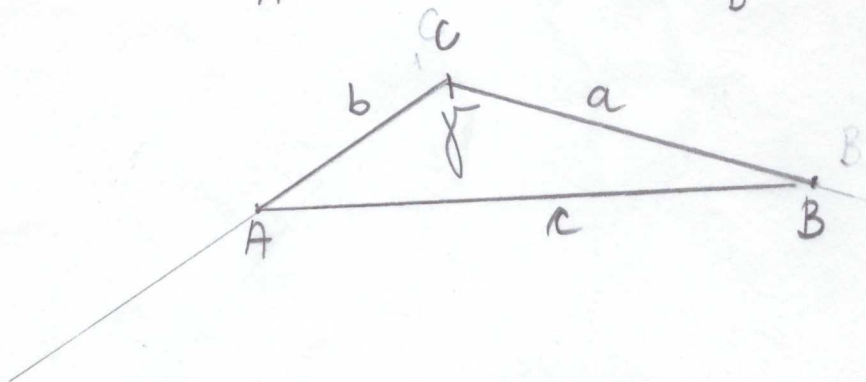
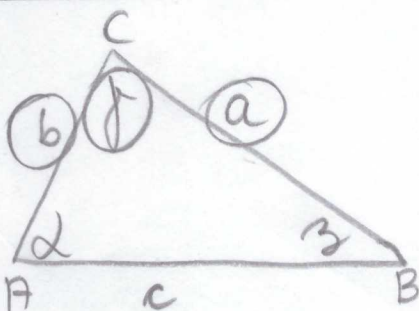
- b) $a = 4 \text{ cm}$
 $b = 5 \text{ cm}$
 $c = 7 \text{ cm}$



- c) $a = 6 \text{ cm}$
 $\beta (\text{beta}) = 80^\circ$
 $\gamma (\text{gama}) = 50^\circ$



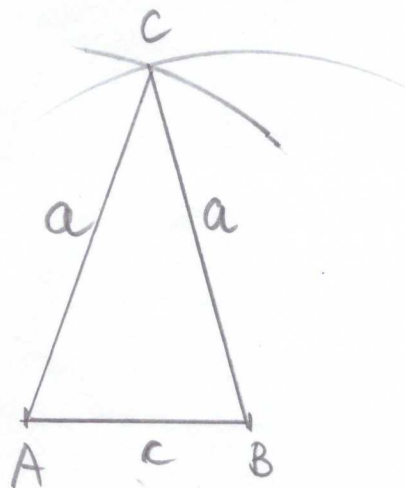
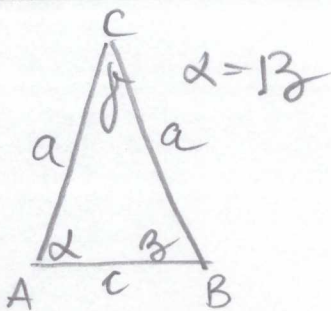
- d) $b = 3 \text{ cm}$
 $\gamma (\text{gama}) = 130^\circ$
 $a = 5 \text{ cm}$



e) enakokraki trikotnik

$c = 3 \text{ cm}$

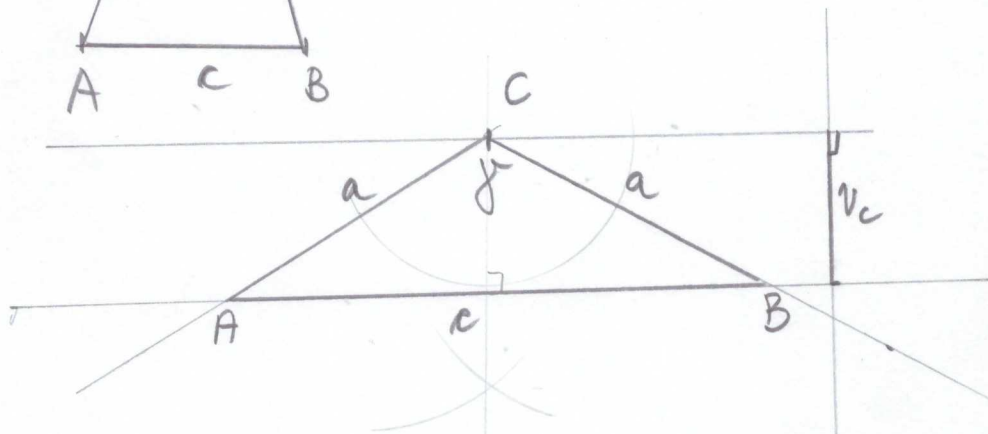
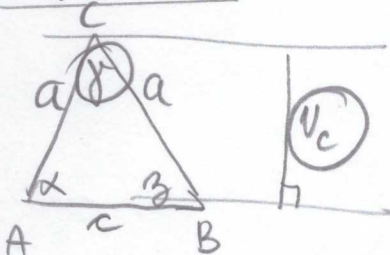
$a = 5 \text{ cm}$



f) enakokraki trikotnik

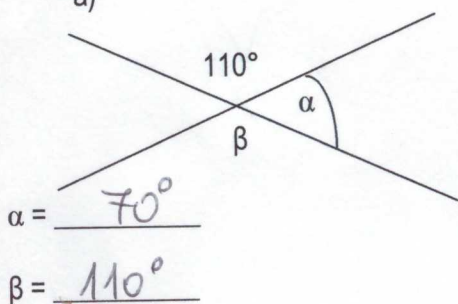
$\gamma = 120^\circ$

$v_c = 2 \text{ cm}$



2. Izračunaj velikosti kotov na sliki:

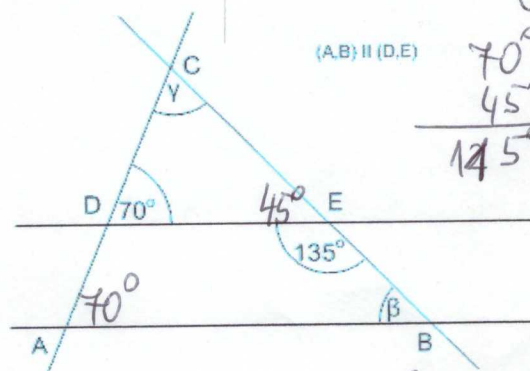
a)



$\alpha = 70^\circ$

$\beta = 110^\circ$

b)

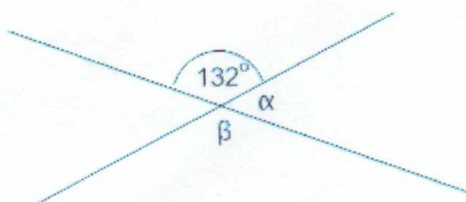


$\beta = 45^\circ$ $\gamma = 65^\circ$

$$\begin{array}{r} 70^\circ \\ 45^\circ \\ \hline 115^\circ \end{array} \quad \begin{array}{r} 180^\circ \\ - 115^\circ \\ \hline 65^\circ \end{array}$$

$$\begin{array}{r} \beta \\ 55^\circ \\ 70^\circ \\ \hline 125^\circ \end{array} \quad \begin{array}{r} 180^\circ \\ - 125^\circ \\ \hline 55^\circ \end{array}$$

c)

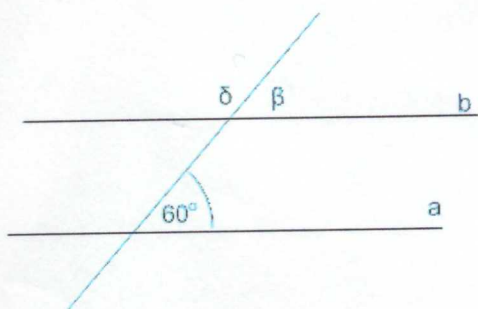


$\alpha = 48^\circ$

$\beta = 132^\circ$

$$\begin{array}{r} 180^\circ \\ - 132^\circ \\ \hline 48^\circ \end{array}$$

d)

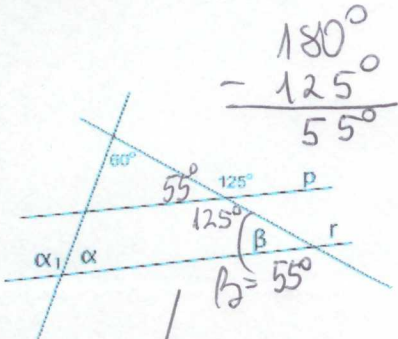


allb

$\delta = 120^\circ$

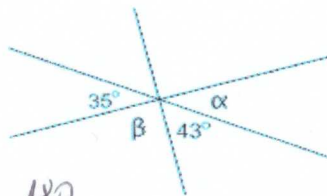
$\beta = 60^\circ$

e)



$$\begin{array}{r} 180^\circ \\ - 125^\circ \\ \hline 55^\circ \end{array}$$

pllr
 $\alpha = 65^\circ$
 $\alpha_1 = 115^\circ$
 $\beta = 55^\circ$



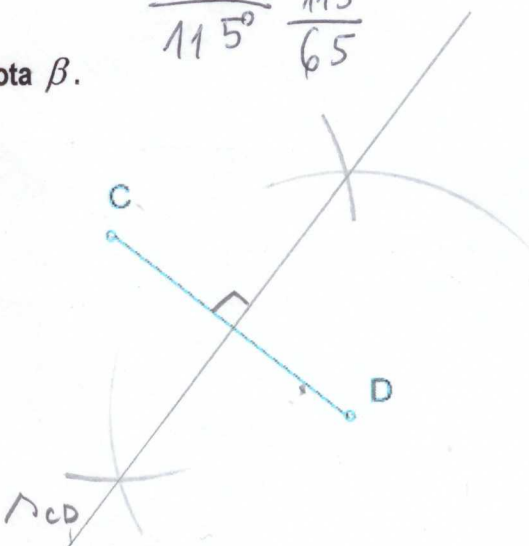
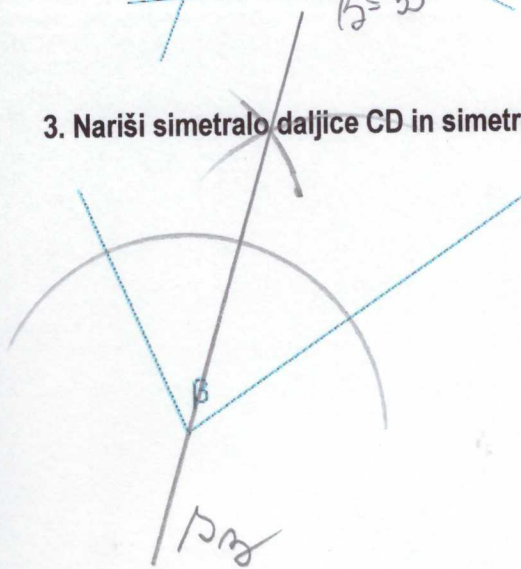
$$\alpha = 35^\circ$$

$$\beta = 102^\circ$$

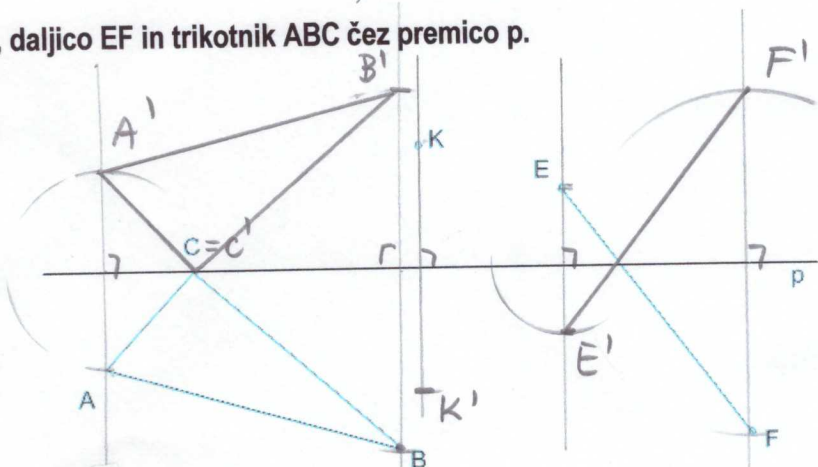
$$\begin{array}{r} 60^\circ \\ 55^\circ \\ \hline 115^\circ \end{array} \quad \begin{array}{r} 180 \\ - 115 \\ \hline 65 \end{array}$$

$$\begin{array}{r} 35^\circ \\ 43^\circ \\ \hline 78 \end{array} \quad \begin{array}{r} 180^\circ \\ - 78^\circ \\ \hline 102^\circ \end{array}$$

3. Nariši simetralo daljice CD in simetralo kota β .

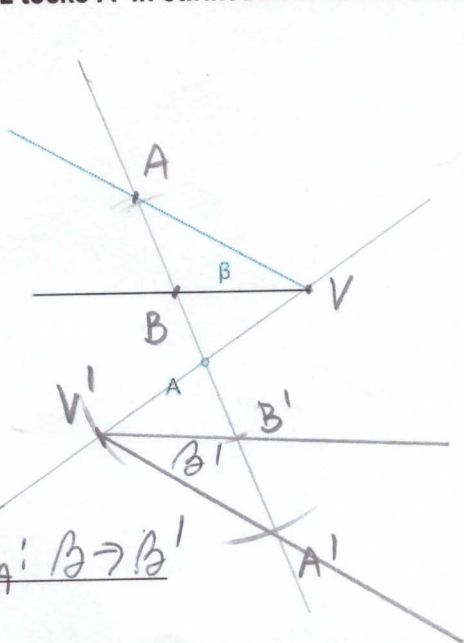


4. Prezrcali točko K, daljico EF in trikotnik ABC čez premico p.

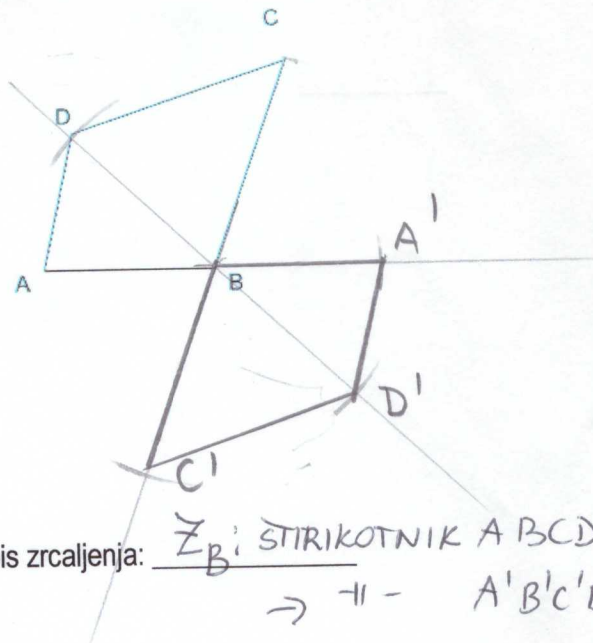


Zapisi zrcaljenja: $\mathbb{Z}_p: K \rightarrow K'$, $\mathbb{Z}_p: EF \rightarrow E'F'$; $\mathbb{Z}_p: \Delta ABC \rightarrow \Delta A'B'C'$

5. Prezrcali kot β čez točko A in štirikotnik ABCD čez točko B.

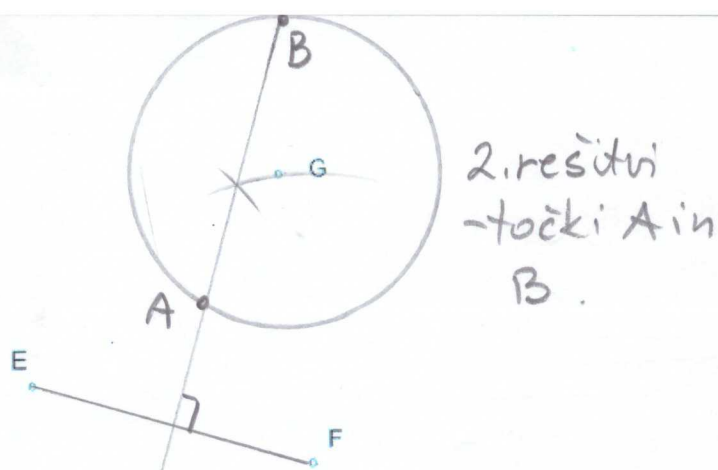


Zapis zrcaljenja: $\mathbb{Z}_A: \beta \rightarrow \beta'$

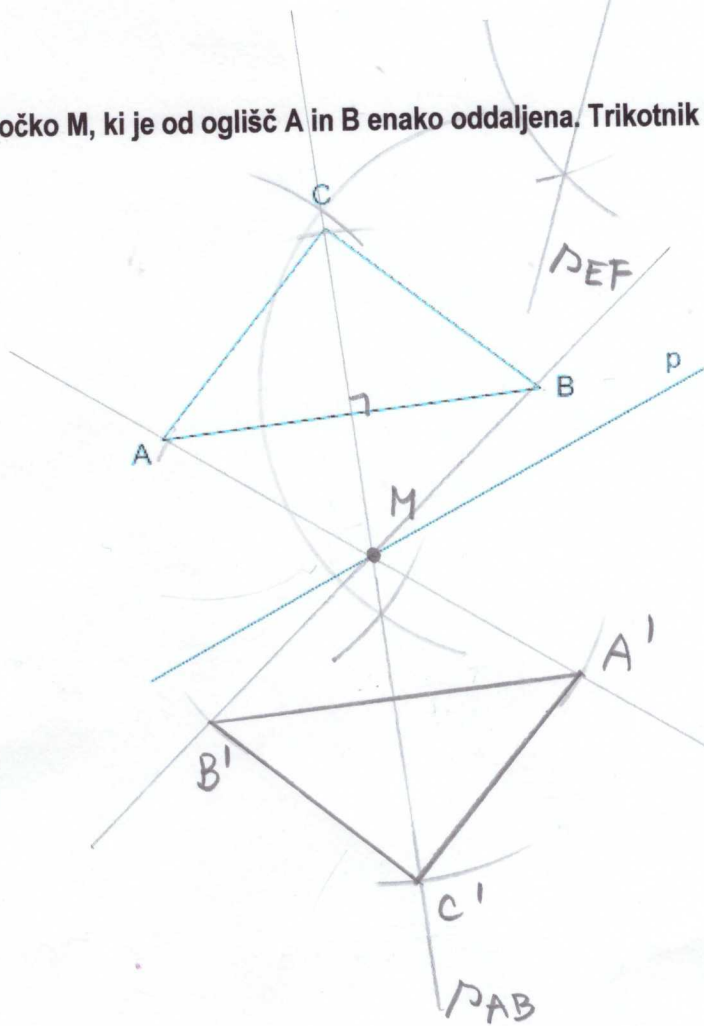


Zapis zrcaljenja: $\mathbb{Z}_B: \text{ŠTIRIKOTNIK } ABCD \rightarrow A'B'C'D'$

6. Poišči točko T, ki je enako oddaljena od točk E in F, od točke G pa je oddaljena 2 cm.



7. Na premici p poišči točko M, ki je od oglišč A in B enako oddaljena. Trikotnik ABC nato prezrcali čez točko M.



8. V notranjosti kota δ poišči točko, ki je od obeh krakov kota enako oddaljena od vrha kota pa 4 cm.

