

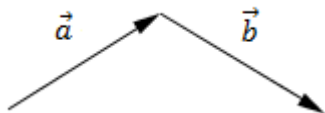
PRIPREMA ZA ČETVRTI ISPIT ZNANJA

Preslikavanja ravnine

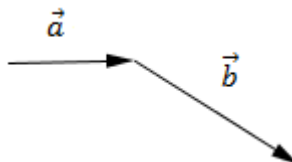
8.razred

1. Odredi vektore $\vec{a} + \vec{b}$ i $\vec{a} - \vec{b}$.

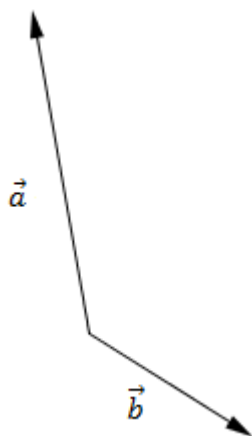
a)



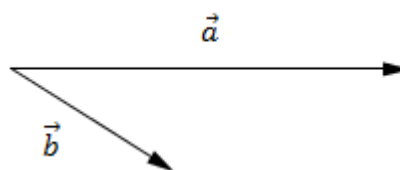
b)



c)



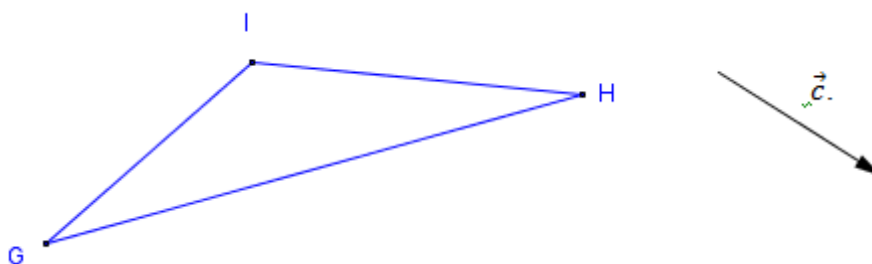
d)



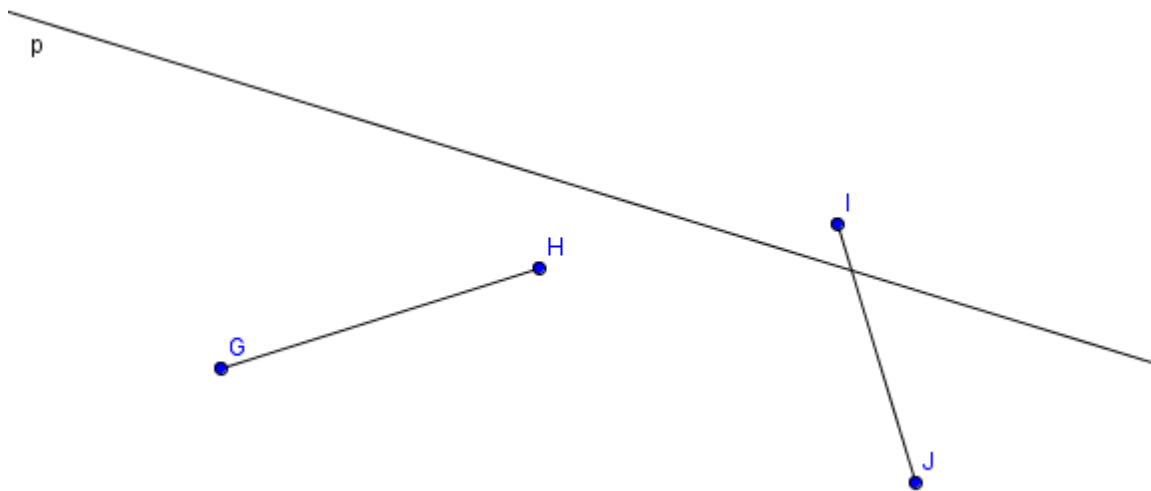
2. Nacrtaj pravilni šesterokut ABCDEF. Sjecište dijagonala označi sa S. Odredi vektor:

- $\vec{BS} + \vec{ED}$
- $\vec{AS} + \vec{BA}$
- $\vec{CF} - \vec{CD}$
- $\vec{AD} - \vec{DE}$
- $\vec{FC} + \vec{DE}$
- $\vec{BE} + \vec{FA}$

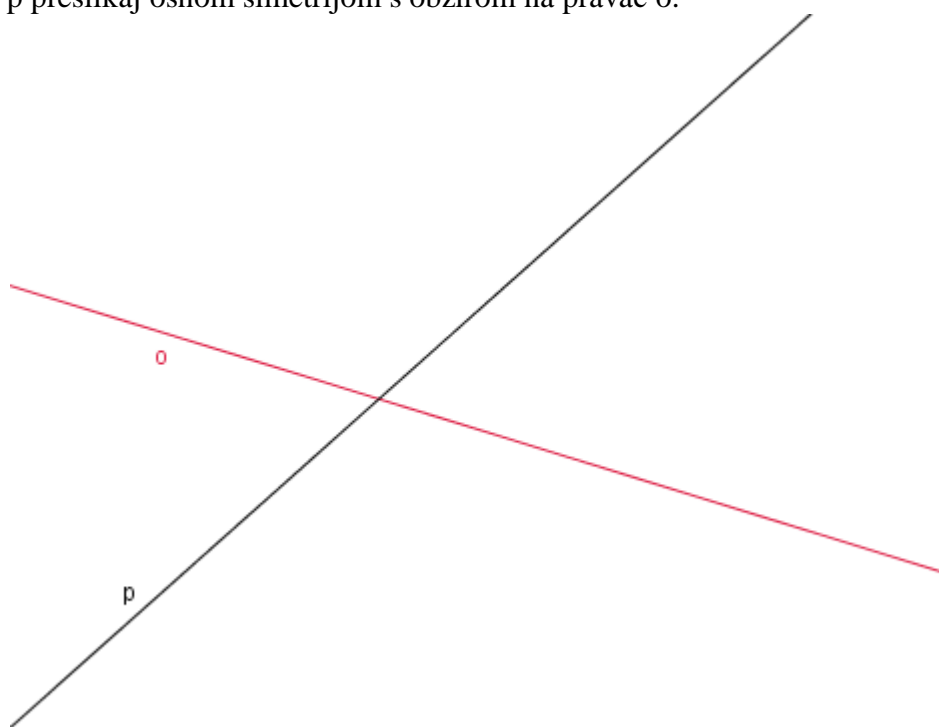
3. Trokut transliraj za vektor \vec{c} .



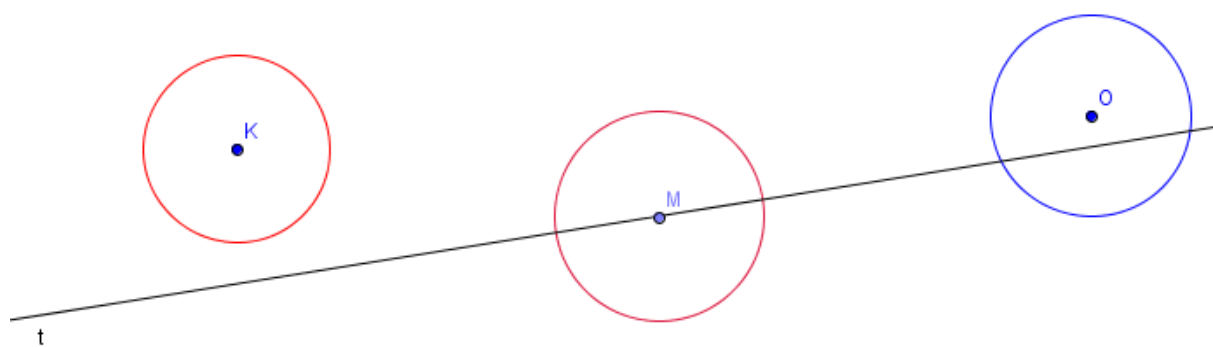
4. Dužine preslikaj osnom simetrijom s obzirom na pravac p.



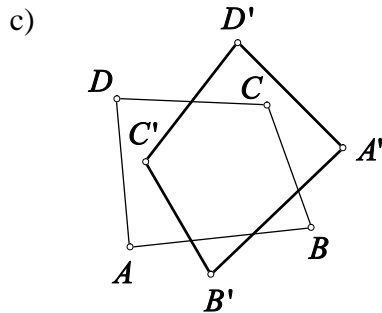
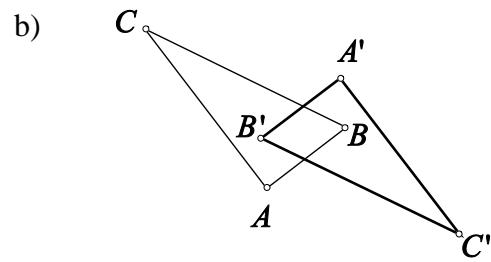
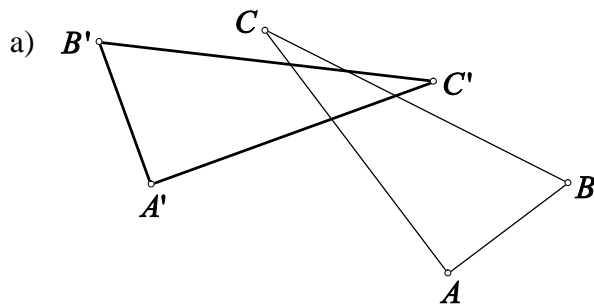
5. Pravac p preslikaj osnom simetrijom s obzirom na pravac o.



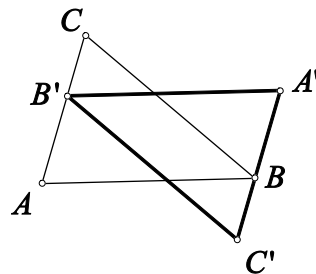
6. Kružnice preslikaj osnom simetrijom s obzirom na pravac t.



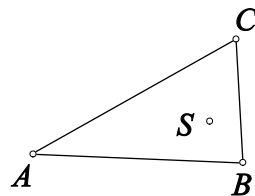
7. Nađi os simetrije s obzirom na koju se jedan skup točaka preslika u drugi.



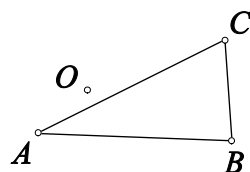
8. Odredi centar simetrije s obzirom na koji se $\triangle ABC$ preslikava centralnom simetrijom u $\triangle A'B'C'$.



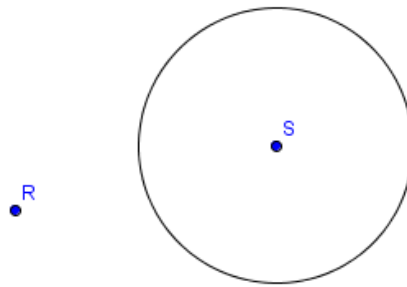
9. Trokut preslikaj centralnom simetrijom s obzirom na točku S.



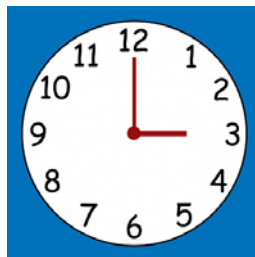
10. Trokut preslikaj centralnom simetrijom s obzirom na točku O.



11. Kružnicu preslikaj centralnom simetrijom s obzirom na točku R.



12. Odredi vrijeme koje će sat pokazati ako obje kazaljke na satu zarotiramo za 30° u
a) pozitivnom smjeru b) negativnom smjeru.

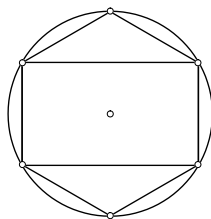


13. Nacrtaj trokut ABC i točku T izvan trokuta. Rotiraj trokut oko točke T za 75° .

14. Nacrtaj trokut ABC i točku T izvan trokuta. Rotiraj trokut oko točke T za -60° .

15. Je li lik sa slike :

- a) osnosimetričan (ako jest koliko osi simetrije ima)
- b) centralnosimetričan?



16. Je li lik sa slike:

- a. osnosimetričan (ako jest koliko osi simetrije ima)
- b. centralnosimetričan?

