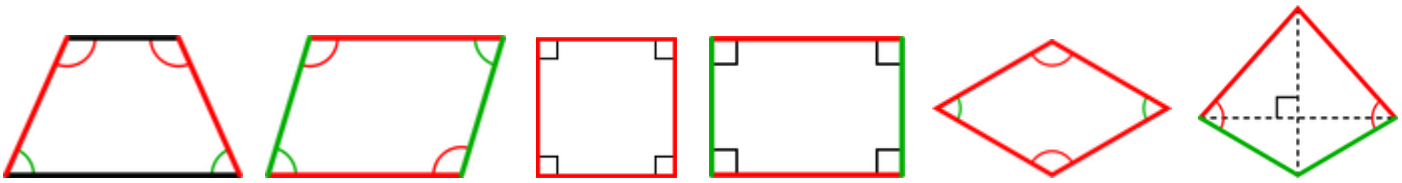
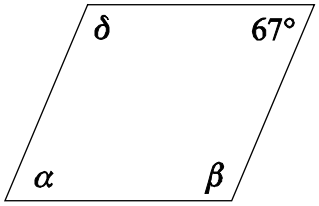
PRIPREMA ZA ŠESTI PISMENI ISPIT ZNANJA

Četverokuti

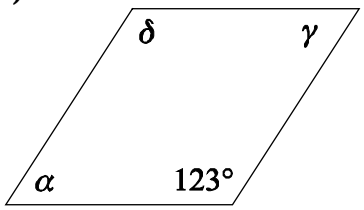


1. Odredi veličine nepoznatih kutova u paralelogramu.

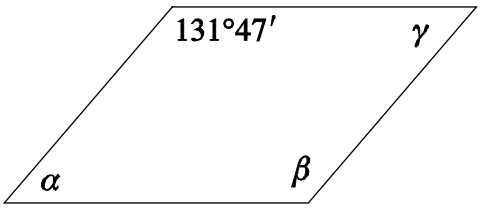
a)



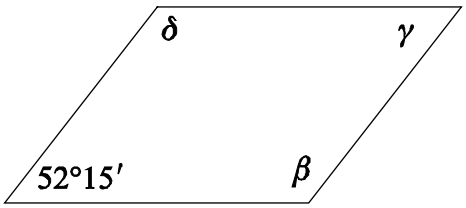
b)



c)

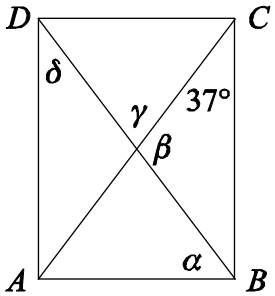


d)

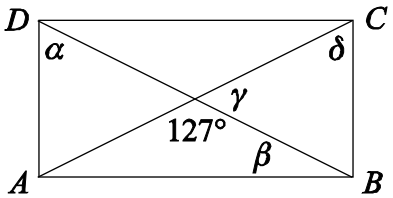


2. Neka je četverokut *ABCD* pravokutnik. Koliko stupnjeva imaju kutovi α, β, γ i δ na slici?

a)

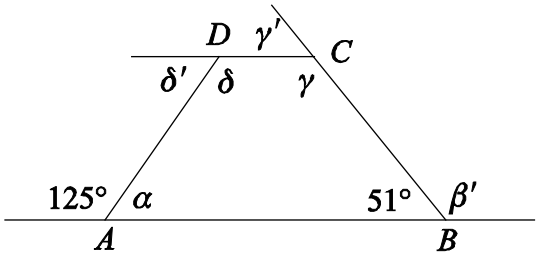


b)

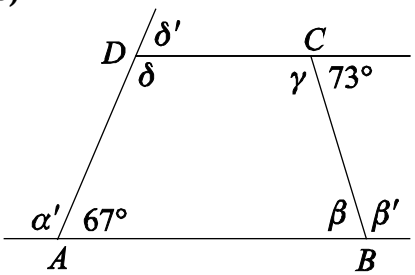


3. Četverokut *ABCD* jest trapez. Odredi veličine nepoznatih kutova na slici.

a)

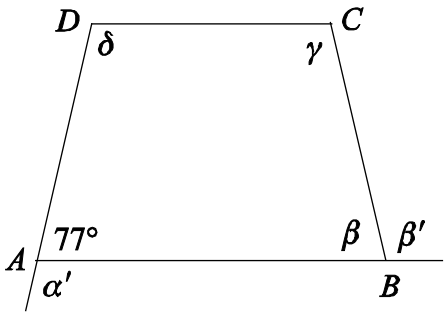


b)

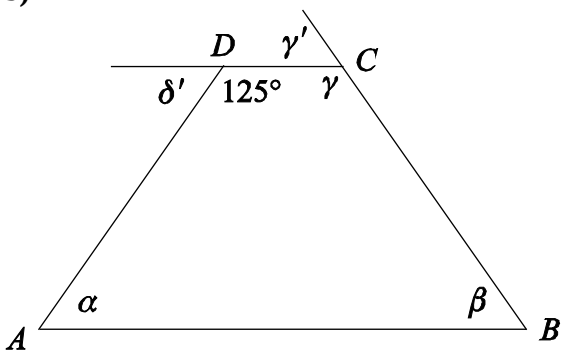


4. Četverokut *ABCD* jest jednakokračan trapez. Odredi veličine nepoznatih kutova na slici.

a)

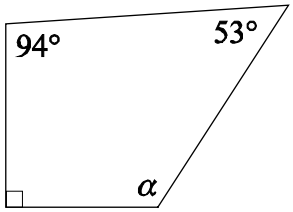


b)

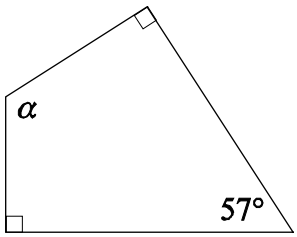


5. Koliko stupnjeva ima α ?

a)

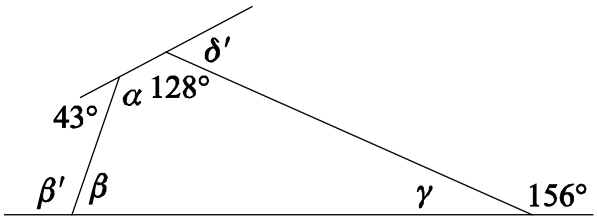


b)

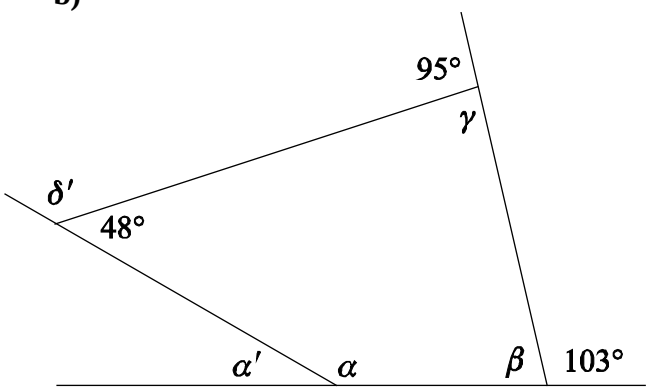


6. Izračunaj veličine kutova sa slike.

a)



b)



7. Izračunaj veličinu četvrtog kuta četverokuta ako su zadane veličine tri njegova kuta:

a) $\beta = 58°$, $\gamma = 132°$ i $\delta = 76°$

b) $\alpha = 47°$, $\gamma = 129°$ i $\delta = 89°$.

8. Izračunaj površinu paralelograma *ABCD* ako je:

a) $a = 42$ cm, $v_a = 0.8$ m

b) $b = 15$ cm, $v_b = 84$ mm.

9. Izračunaj površinu paralelograma *ABCD* i duljinu visine v_b ako je zadano:

$a = 13$ cm, $b = 8$ cm i $v_a = 4.5$ cm.

10. Izračunaj površinu trapeza ako je:

a) $a = 6.8$ cm, $c = 3.8$ cm, $v = 4.2$ cm

b) $a = 8.3$ cm, $c = 6.5$ cm, $v = 4.7$ cm.

11. Izračunaj duljinu osnovice trapeza ako je:

a) $P = 28.12$ cm^2
$v = 5$ cm
$c = 6$ cm

b) $P = 16.74$ cm^2
$v = 3.1$ cm
$c = 3.6$ cm.

12. Izračunaj duljinu visine trapeza ako je:

a) $P = 35$ cm^2
$a = 9.3$ cm
$c = 5.5$ cm

b) $P = 26.16$ cm^2
$a = 7.2$ cm
$c = 3.7$ cm.

13. Izračunaj površinu pravokutnika ako mu je duljina jedne stranice $3cm$, a njegov je opseg $20cm$.

14. Odredi opseg i duljinu druge stranice pravokutnika ako je $P = 14.7cm^2$ i $b = 4.2cm$.

15. Izračunaj površinu paralelograma ako je jedna stranica paralelograma dugačka $10.2cm$, a njoj pripadna visina $7cm$.

16. Izračunaj površinu romba ako je duljina njegove stranice $11.5cm$, a duljina visine na tu stranicu $4.2cm$.