

Vežbanje

1. Konstruisati pravilan šestougaonik čiji je obim 18cm

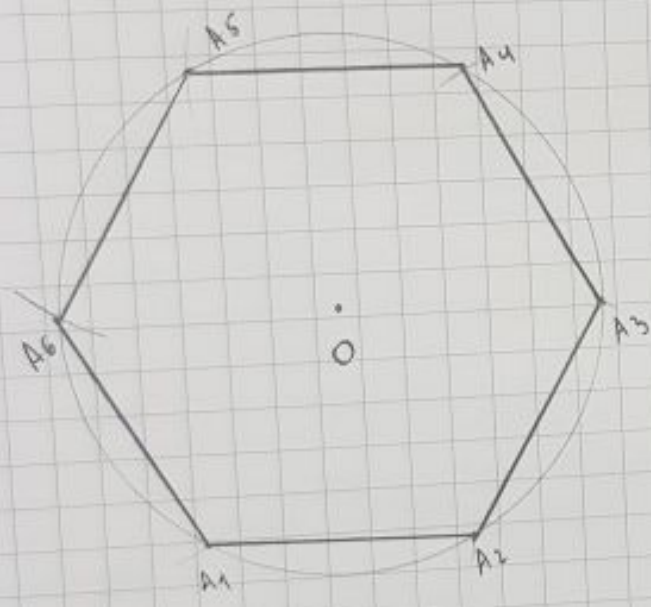
izračunati površinu $r_0 = a = 3\text{cm}$

$O = 18\text{cm}$ $P = 6 \cdot \frac{a^2 \sqrt{3}}{4}$

$P = ?$ $P = \frac{6 \cdot 9 \sqrt{3}}{4}$

$O = 6a$

$a = 3\text{cm}$ $P = \frac{27 \sqrt{3}}{2} \text{cm}^2$



606. $\beta_0 = 20^\circ$

$\beta_0 = \frac{360^\circ}{n}$

$20^\circ = \frac{360^\circ}{n}$

$n = 18^\circ$

$\varphi_n = \beta_0 n = 20^\circ$

$d_n = n - 3$

$d_{18} = 15$

$D_n = \frac{n \cdot (n-3)}{2}$

$D_n = \frac{18 \cdot 15}{2}$

$D_{18} = 135$

$S_n = (n-2) \cdot 180^\circ$

$S_{18} = 16 \cdot 180^\circ$

$S_{18} = 2880^\circ$

$d_n = \frac{S_2}{n}$

$d_{18} = \frac{2880^\circ}{18} = 160^\circ$

* Obraditi pažnju na zadatke: 543, 552, 572.

606

$$582. D_n = 54$$

$$D_n = \frac{n(n-3)}{2}$$

$$n(n-3) = 108$$

$$n = 12$$

$$d_n = n - 3 = 9$$

$$S_n = (12 - 2) \cdot 180^\circ =$$

$$10 \cdot 180^\circ = 1800^\circ$$