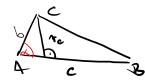
Obsah trojuholníka

$$S = \frac{c.\widehat{v_c}}{2}$$



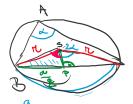


18 7c=6. mind

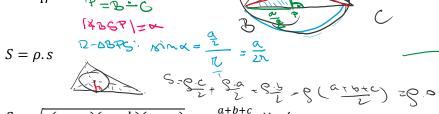
$$S = \frac{1}{2}a.b.\sin\gamma = \sqrt{\frac{1}{2}b.c\sin\alpha} = \frac{1}{2}a.c.\sin\beta$$

$$S = \frac{abc}{4r}$$

$$P = B = C$$



$$S = \rho.s$$





$$S = \sqrt{s(s-a)(s-b)(s-c)}; s = \frac{a+b+c}{2}; \text{ Her\'onov vzorec}$$

Úloha

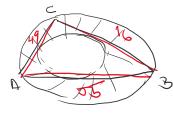
Vypočítajte obsah trojuholníka, ktorý vznikne na ciferníku hodiniek spojením bodov 12, 5, 8, pričom d(12; 5) = 8cm, d(5; 8) = 7 cm.



$$S = \frac{8.7 \cdot 8.2}{2}$$



2. Vypočítajte obsah plochy ohraničenej opísanou a vpísanou kružnicou trojuholníku, ktorého strany sú $a = 16 \, cm, b = 49 \, cm, c = 55 \, cm$.



$$S = S_{op} - S_{up} = \pi n^{2} - \pi g^{2} = \pi (n^{2} - g^{2})$$

$$S_{op} = \frac{1}{2} (n^{2} - g^{2}) (n^{2} - g^{2}) (n^{2} - g^{2})$$

$$S_{op} = \frac{1}{2} (n^{2} - g^{2}) (n^{2} - g^{2}) (n^{2} - g^{2})$$

$$S_{op} = \frac{1}{2} (n^{2} - g^{2}) (n^{2} - g^{2}) (n^{2} - g^{2})$$

$$S_{op} = \frac{1}{2} (n^{2} - g^{2}) (n^{2} - g^{2}) (n^{2} - g^{2})$$

$$S_{op} = \frac{1}{2} (n^{2} - g^{2}) (n^{2} - g^{2}) (n^{2} - g^{2})$$

$$S_{op} = \frac{1}{2} (n^{2} - g^{2}) (n^{2} - g^{2}) (n^{2} - g^{2})$$

$$S_{op} = \frac{1}{2} (n^{2} - g^{2}) (n^{2} - g^{2}) (n^{2} - g^{2})$$

$$S_{op} = \frac{1}{2} (n^{2} - g^{2}) (n^{2} - g^{2}) (n^{2} - g^{2})$$

$$S_{op} = \frac{1}{2} (n^{2} - g^{2}) (n^{2} - g^{2}) (n^{2} - g^{2})$$

$$S_{op} = \frac{1}{2} (n^{2} - g^{2}) (n^{2} - g^{2}) (n^{2} - g^{2})$$

$$S_{op} = \frac{1}{2} (n^{2} - g^{2}) (n^{2} - g^{2}) (n^{2} - g^{2})$$

$$S_{op} = \frac{1}{2} (n^{2} - g^{2}) (n^{2} - g^{2}) (n^{2} - g^{2})$$

$$S_{op} = \frac{1}{2} (n^{2} - g^{2}) (n^{2} - g^{2}) (n^{2} - g^{2})$$

$$S_{op} = \frac{1}{2} (n^{2} - g^{2}) (n^{2} - g^{2}) (n^{2} - g^{2})$$

$$S_{op} = \frac{1}{2} (n^{2} - g^{2}) (n^{2} - g^{2}) (n^{2} - g^{2})$$

$$S_{op} = \frac{1}{2} (n^{2} - g^{2}) (n^{2} - g^{2}) (n^{2} - g^{2})$$

$$S_{op} = \frac{1}{2} (n^{2} - g^{2}) (n^{2} - g^{2}) (n^{2} - g^{2})$$

$$S_{op} = \frac{1}{2} (n^{2} - g^{2}) (n^{2} - g^{2}) (n^{2} - g^{2})$$

$$S_{op} = \frac{1}{2} (n^{2} - g^{2}) (n^{2} - g^{2}) (n^{2} - g^{2})$$

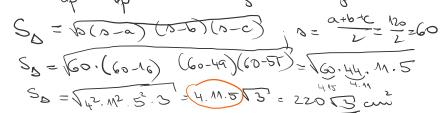
$$S_{op} = \frac{1}{2} (n^{2} - g^{2}) (n^{2} - g^{2}) (n^{2} - g^{2})$$

$$S_{op} = \frac{1}{2} (n^{2} - g^{2}) (n^{2} - g^{2}) (n^{2} - g^{2})$$

$$S_{op} = \frac{1}{2} (n^{2} - g^{2}) (n^{2} - g^{2}) (n^{2} - g^{2}) (n^{2} - g^{2})$$

$$S_{op} = \frac{1}{2} (n^{2} - g^{2}) (n^{2} - g^{2}) (n^{2} - g^{2}) (n^{2} - g^{2})$$

$$S_{op} = \frac{1}{2} (n^{2} - g^{2}) (n^{2} -$$



 $3 = \pi (\pi^2 - 9^2) = \pi (\frac{49^2 \cdot 3}{8} - \frac{11^2 \cdot 3}{8}) = \pi \frac{49^2 - 11^2}{3} = \frac{2280}{3} \pi \sin^2 \frac{1}{3}$

Aká je strana rovnostranného trojuholníka, ktorého obsah sa rovná obsahu trojuholníka so stranami 7, 10, 11.