

Materijali za pano

~četverokuti i Pitagorin poučak~

Ideja: Irena Mezei-Belovai

*Napravile: Irena Mezei-Belovai
Antonija Horvatek*

Ilustracije: Mia Papeš

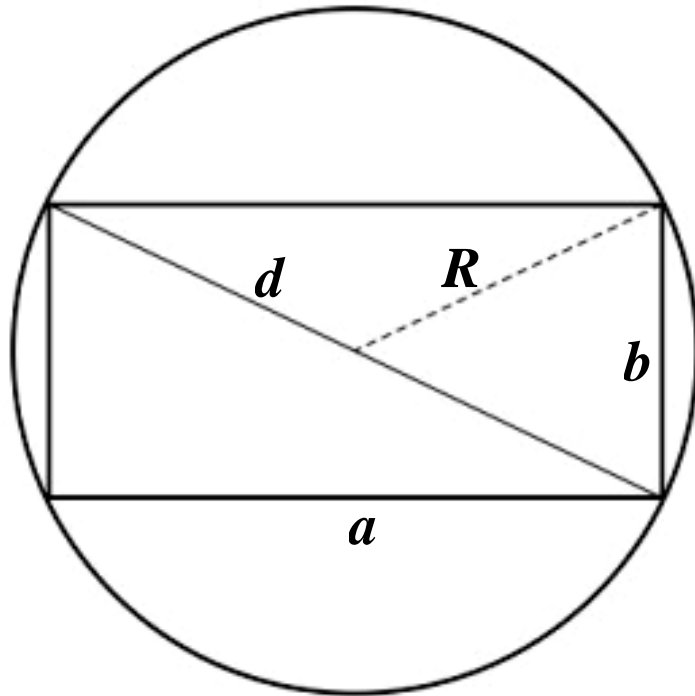
Najtoplije zahvaljujem kolegicama Ireni Mezei-Belovai i Mii Papeš na dopuštenju da ovaj materijal stavim na svoje web stranice.

Antonija Horvatek

Matematika na dlanu

<http://www.antonija-horvatek.from.hr/>

PRAVOKUTNIK

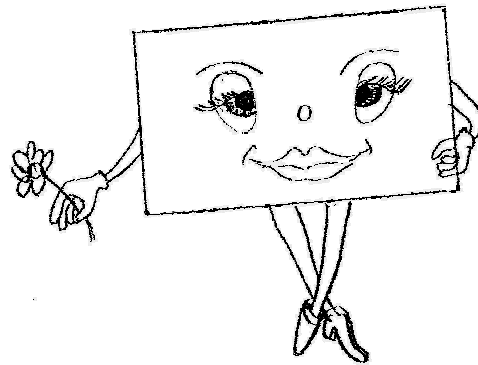


$$O = 2a + 2b$$

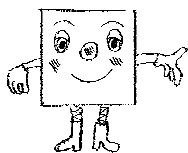
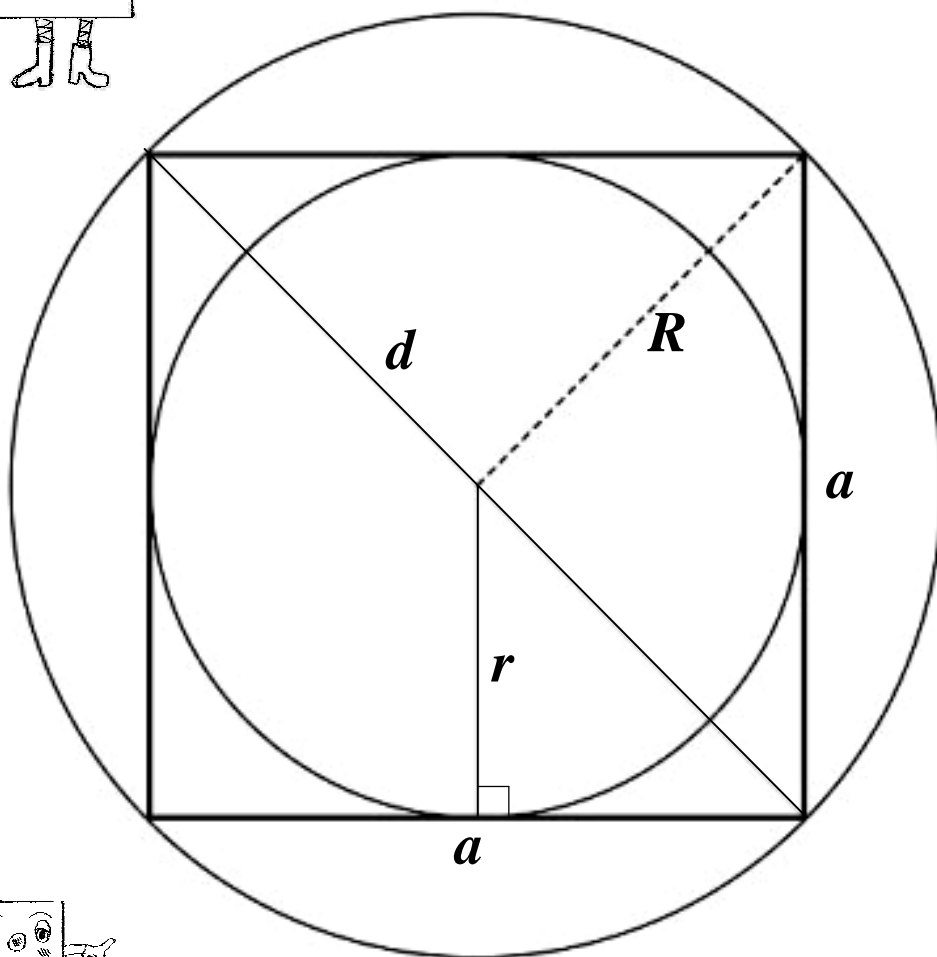
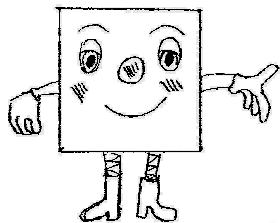
$$P = a \cdot b$$

$$a^2 + b^2 = d^2$$

$$R = \frac{d}{2}$$



KVADRAT



$$O = 4a$$

$$P = a^2$$

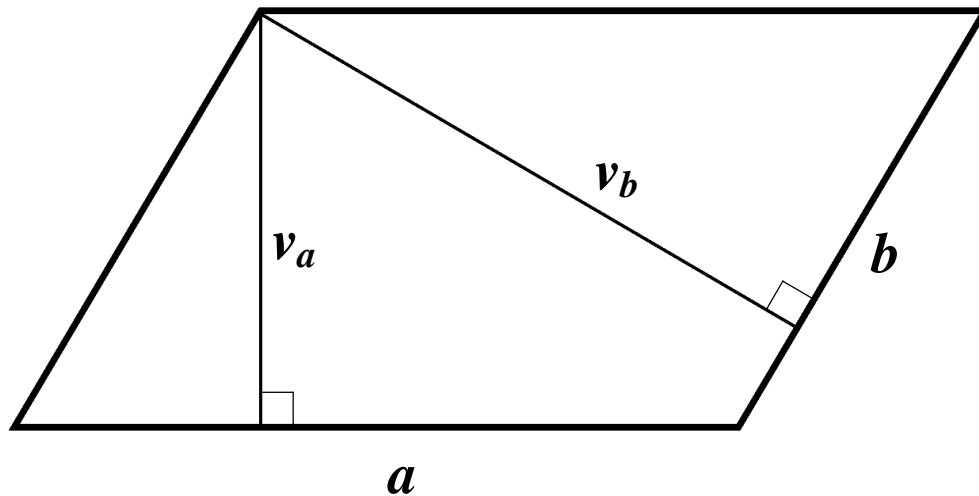
$$P = \frac{d^2}{2}$$

$$d = a\sqrt{2}$$

$$R = \frac{d}{2}$$

$$r = \frac{a}{2}$$

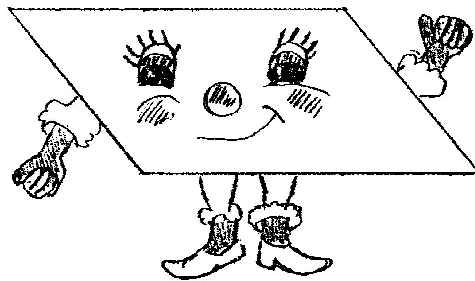
PARALELOGRAM



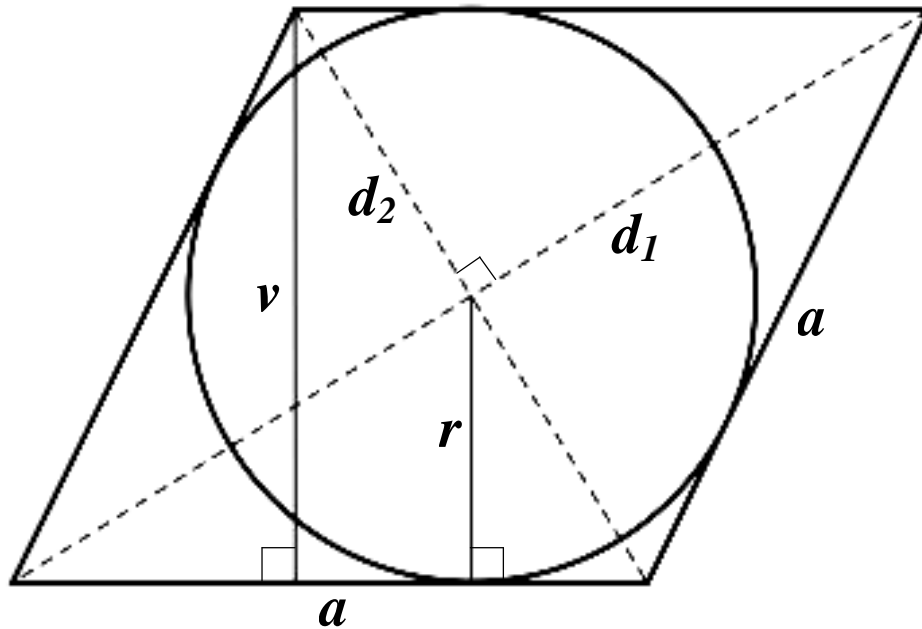
$$O = 2a + 2b$$

$$P = \frac{a \cdot v_a}{2}$$

$$P = \frac{b \cdot v_b}{2}$$



ROMB

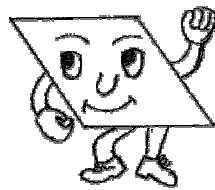
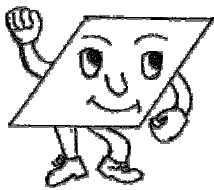


$$O = 4a$$

$$P = a \cdot v$$

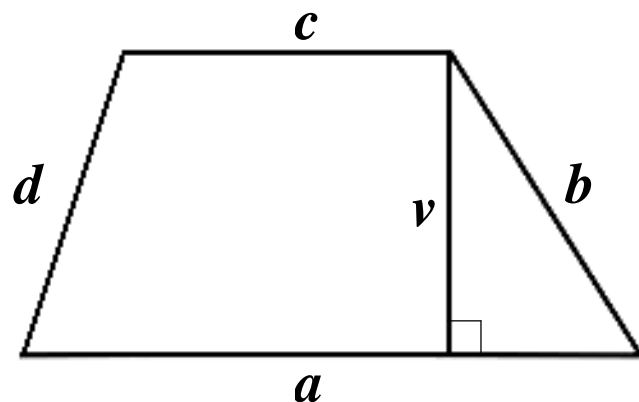
$$P = \frac{d_1 \cdot d_2}{2}$$

$$r = \frac{v}{2}$$



$$\left(\frac{d_1}{2}\right)^2 + \left(\frac{d_2}{2}\right)^2 = a^2$$

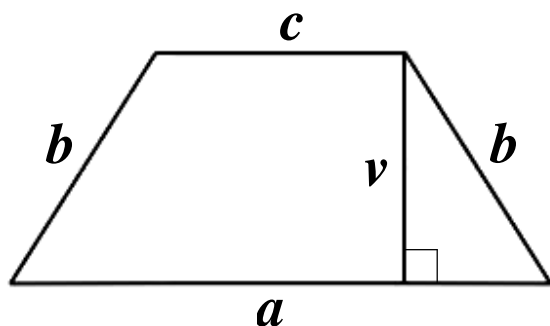
TRAPEZ



$$O = a + b + c + d$$

$$P = \frac{(a + c) \cdot v}{2}$$

Jednakokrani trapez:



$$O = a + 2b + c$$

$$P = \frac{(a + c) \cdot v}{2}$$

$$\left(\frac{a - c}{2}\right)^2 + v^2 = b^2$$

