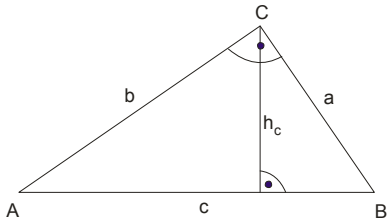
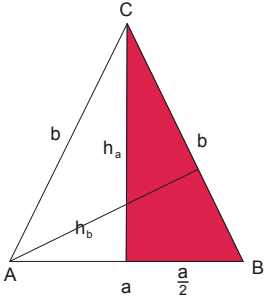


Pravougli trougao :



$$O = a + b + c \quad P = \frac{ab}{2} \quad \text{ili} \quad P = \frac{ch_c}{2} \quad \text{odavde je: } h_c = \frac{a \cdot b}{c}$$
$$a^2 + b^2 = c^2 \quad \text{Pitagorina teorema} \quad R = \frac{c}{2}; \quad r = \frac{a + b - c}{2};$$

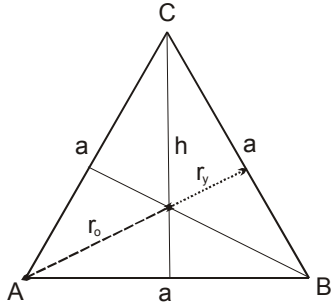
Jednakokraki trougao:



$$a \text{ je osnova, } b \text{ krak (kraci)} \quad O = a + 2b \quad P = \frac{ah_a}{2} = \frac{bh_b}{2}$$

$$\text{Primena Pitagorine teoreme: } h_a^2 + \left(\frac{a}{2}\right)^2 = b^2$$

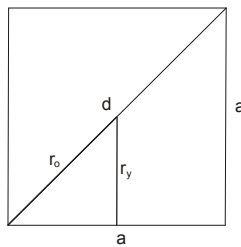
Jednakostranični trougao



$$O = 3a \quad \text{i} \quad P = \frac{a^2\sqrt{3}}{4} \quad \text{Visina je } h = \frac{a\sqrt{3}}{2};$$

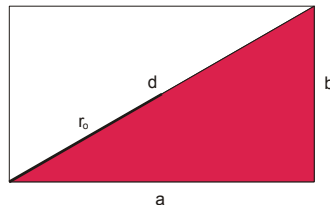
$$r_y = \frac{1}{3}h = \frac{a\sqrt{3}}{6}; \quad r_o = \frac{2}{3}h = \frac{a\sqrt{3}}{3}$$

Kvadrat



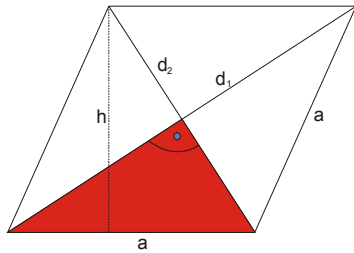
$$O = 4a \quad P = a^2 \quad \text{ili} \quad P = \frac{d^2}{2}, \quad r_y = \frac{a}{2} \quad \text{i} \quad r_o = \frac{d}{2} = \frac{a\sqrt{2}}{2} \quad \text{dijagonala je } d = a\sqrt{2} \quad \text{i} \quad a = \frac{d\sqrt{2}}{2}$$

Pravougaonik



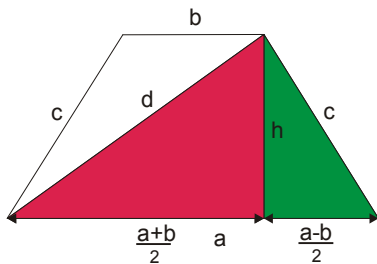
$$O = 2a + 2b \quad P = ab$$
$$r_o = \frac{d}{2} \quad \text{a dijagonalu nalazimo iz Pitagorine teoreme: } d^2 = a^2 + b^2$$

Romb



$$O = 4a \quad P = \frac{d_1 \cdot d_2}{2} \quad \text{ili} \quad P = ah \quad \left(\frac{d_1}{2}\right)^2 + \left(\frac{d_2}{2}\right)^2 = a^2 \quad \text{polupr. upis. kr. je } r_y = \frac{h}{2}$$

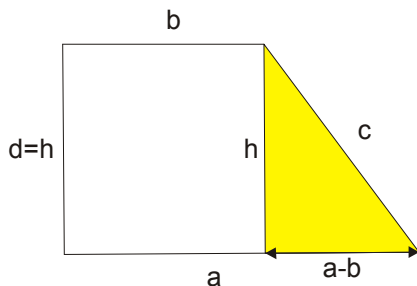
Jednakokraki trapez



$$O = a + b + 2c \quad P = \frac{a+b}{2} \cdot h \quad \text{ili} \quad P = mh \quad \text{gde je srednja linija trapeza } m = \frac{a+b}{2}$$

$$\text{Primena Pitagorine teoreme: } \left(\frac{a-b}{2}\right)^2 + h^2 = c^2 \quad (\text{na zeleni trougao}) \quad \left(\frac{a+b}{2}\right)^2 + h^2 = d^2 \quad (\text{na crveni trougao})$$

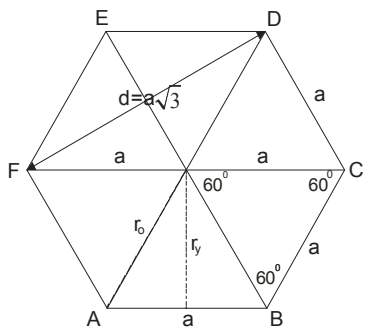
Pravougli trapez



$$O = a + b + c + h \quad P = \frac{a+b}{2} \cdot h \quad \text{ili} \quad P = mh$$

$$\text{Primena Pitagorine teoreme: } (a-b)^2 + h^2 = c^2$$

Šestougao



$$O = 6a \quad \text{obim}$$

$$P = 6 \frac{a^2 \sqrt{3}}{4} = 3 \frac{a^2 \sqrt{3}}{2} \quad \text{površina}$$

$$d = a\sqrt{3} \quad \text{mala dijagonala}$$

$$D = 2a \quad \text{velika dijagonala}$$

$$r_o = a \quad \text{poluprečnik opisane kružnice}$$

$$r_y = \frac{a\sqrt{3}}{2} \quad \text{poluprečnik upisane kružnice}$$