

UPORABA PITAGORVEGA IZREKA

ENAKOKRANI TRAPEZ

$o = a + 2 \cdot b + c$
 $p = \frac{a+c}{2} \cdot v$ $s = \frac{a+c}{2}$
srednjica

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

DELTOID

$a^2 = \left(\frac{e}{2}\right)^2 + y^2$
 $c^2 = \left(\frac{e}{2}\right)^2 + x^2$
 $p = \frac{e \cdot f}{2}$
 $o = 2 \cdot a + 2 \cdot c$ $f = x + y$

KVADRAT

$d^2 = a^2 + a^2$
 $d = a \cdot \sqrt{2}$ $\sqrt{2} \doteq 1,41$
 $a = \frac{d \cdot \sqrt{2}}{2}$
 $o = 4 \cdot a$ $p = a^2$

PRAVOKOTNIK

$d^2 = a^2 + b^2$
 $a^2 = d^2 - b^2$
 $a = \sqrt{d^2 - b^2}$
 $o = 2 \cdot a + 2 \cdot b$ $p = a \cdot b$

ENAKOKRANI TRIKOTNIK

$a^2 = v_c^2 + \left(\frac{a}{2}\right)^2$
 $v_c^2 = a^2 - \left(\frac{a}{2}\right)^2$
 $v_c = \sqrt{a^2 - \left(\frac{a}{2}\right)^2}$
 $o = 2 \cdot a + c$
 $p = \frac{c \cdot v_c}{2}$

ENAKOSTRANI TRIKOTNIK

$a^2 = v^2 + \left(\frac{a}{2}\right)^2$
 $v^2 = a^2 - \left(\frac{a}{2}\right)^2$
 $v = \frac{a \cdot \sqrt{3}}{2}$; $\sqrt{3} \doteq 1,73$ $v = \frac{2 \cdot v}{2}$ $a = \frac{2 \cdot v \cdot \sqrt{3}}{3}$
 $o = 3 \cdot a$
 $p = \frac{a^2 \cdot \sqrt{3}}{4}$

ROMB

$a^2 = \left(\frac{e}{2}\right)^2 + \left(\frac{f}{2}\right)^2$
 $\left(\frac{e}{2}\right)^2 = a^2 - \left(\frac{f}{2}\right)^2$
 $\left(\frac{f}{2}\right)^2 = a^2 - \left(\frac{e}{2}\right)^2$
 $o = 4 \cdot a$
 $p = \frac{e \cdot f}{2} = a \cdot v_a$

PRAVOKOTNI TRIKOTNIK

$h^2 = k_1^2 + k_2^2$
 $k_1^2 = h^2 - k_2^2$
 $o = k_1 + k_2 + h$
 $p = \frac{k_1 \cdot k_2}{2}$
 KATETA 1 (k_1)
 KATETA 2 (k_2)
 HIPOTENUZA (h)