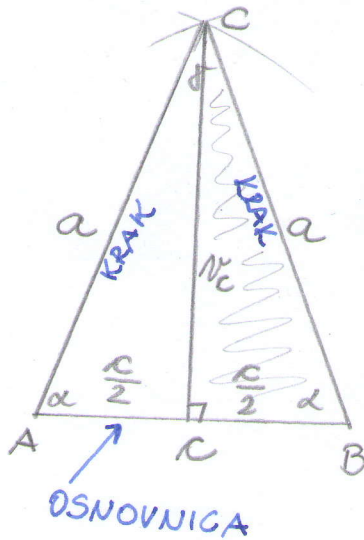


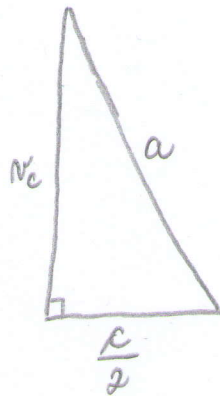
UPORABA PITAGOROVEGA IZREKA V  
ENAKOKRAKEM TRIKOTNIKU

ENAKOKRAKI TRIKOTNIK



OBSEG :  $\sigma = 2a + c$

PLOŠČINA :  $\rho = \frac{a \cdot N_c}{2} = \frac{c \cdot N_c}{2}$



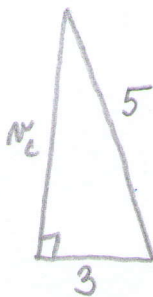
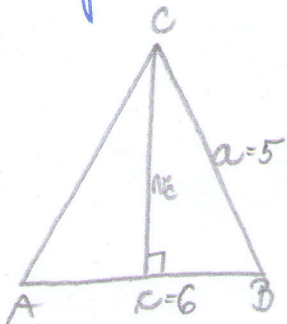
1. primer: V enakokrakem trikotniku meri osnornica 6cm, krak pa 5cm.  
Izračunaj ploščino tega enakokrakega trikotnika.

enakokraki trikotnik

$a = 5 \text{ cm}$

$c = 6 \text{ cm}$

$\rho = ?$



$N_c^2 = 5^2 - 3^2$

$N_c^2 = 25 - 9$

$N_c^2 = 16$

$N_c = \sqrt{16}$

$N_c = 4 \text{ cm}$

$\rho = \frac{c \cdot N_c}{2}$

$\rho = \frac{6 \cdot 4}{2}$

$\rho = \underline{\underline{12 \text{ cm}^2}}$

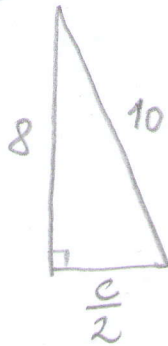
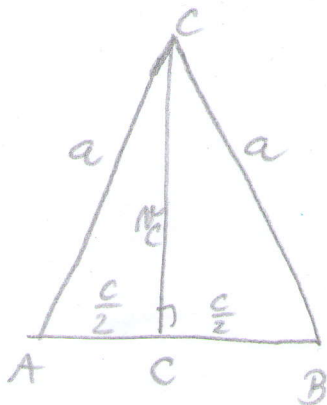
2. primer: V enakokrakem trikotniku meri krak 10 cm,  
 visina na osnovnico pa 8 cm.  
 Izračunaj obseg tega trikotnika.

enakokraki trikotnik

$$a = 10 \text{ cm}$$

$$h_c = 8 \text{ cm}$$

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



$$\left(\frac{c}{2}\right)^2 = 10^2 - 8^2$$

$$\sigma = 2a + c$$

$$\left(\frac{c}{2}\right)^2 = 100 - 64$$

$$\sigma = 2 \cdot 10 + c$$

$$\left(\frac{c}{2}\right)^2 = 36$$

$$\sigma = \underline{\underline{32 \text{ cm}}}$$

$$\frac{c}{2} = \sqrt{36}$$

$$\frac{c}{2} = 6$$

$$c = \underline{\underline{12 \text{ cm}}}$$