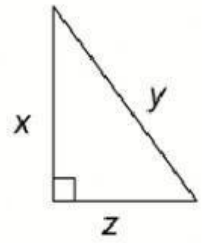
Pitagorin poučak. Izračunavanje duljina stranica pravokutnog trokuta

1. Zapiši formulu Pitagorina poučka za trokute na slici.

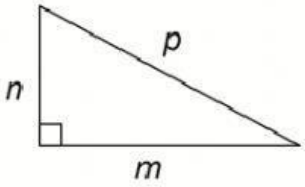
a)



$x^2 = y^2 + z^2$

$y^2 = x^2 + z^2$

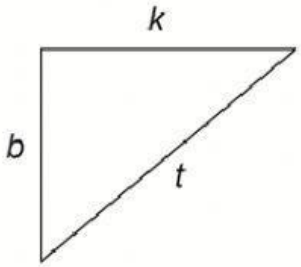
b)



$p^2 = n^2 + m^2$

$p^2 = m^2 - n^2$

c)

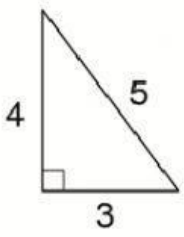


$k^2 = b^2 + t^2$

$t^2 = k^2 + b^2$

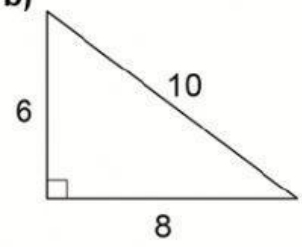
2. Zapiši formulu Pitagorina poučka za trokute na slici i provjeri vrijedi li jednakost.

a)



VRIJEDI NE VRIJEDI

b)



VRIJEDI NE VRIJEDI

3. Izračunaj duljinu hipotenuze *c* pravokutnog trokuta ako su zadane duljine kateta *a* i *b*. ($a^2 + b^2 = c^2$)

- Zadatke riješi u bilježnicu

a) $a = 9$ cm

$b = 12$ cm

c =

b) $a = 3$ cm

$b = 4$ cm

c =

4. Izračunaj duljinu katete *a* pravokutnog trokuta ako su duljine druge katete *b* i hipotenuze *c*.

- Zadatke riješi u bilježnicu

a) $b = 4$ cm

$c = 5$ cm

a =

b) $b = 9$ cm

$c = 15$ cm

a =