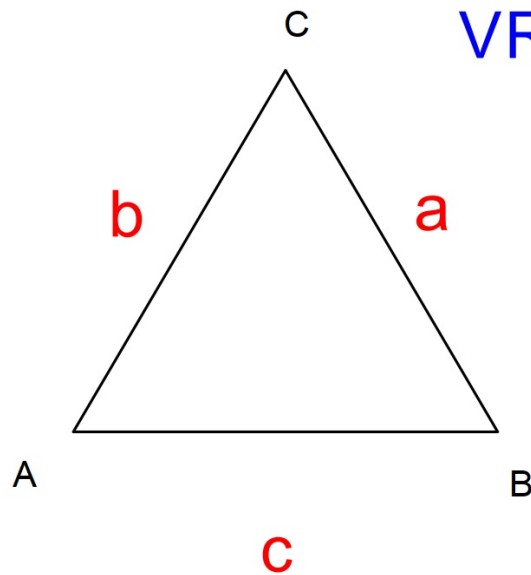


# trojúhelník



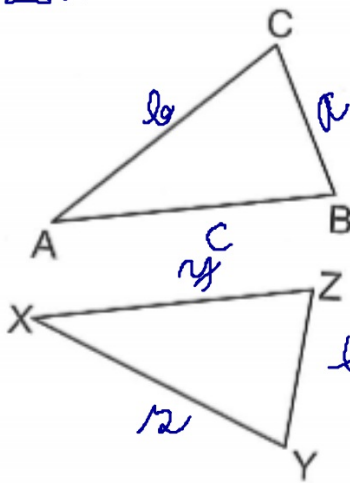
VRCHOL...A,B,C

strana ...a,b,c

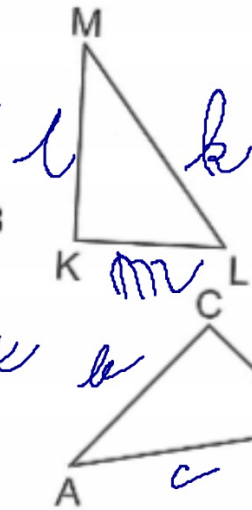
⇒ proti vrcholu!

Pojmenuj a popsat strany trojúhelníku.

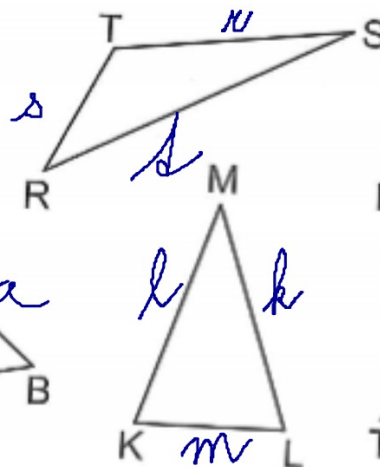
$\triangle ABC$



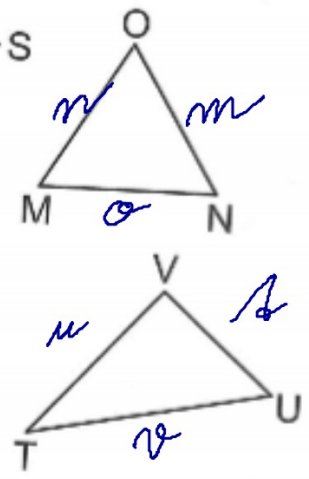
$\triangle KLM$



$\triangle RST$



$\triangle MNO$



$\triangle XYZ$

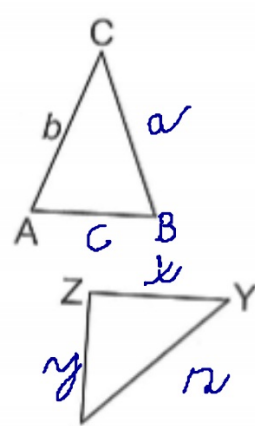
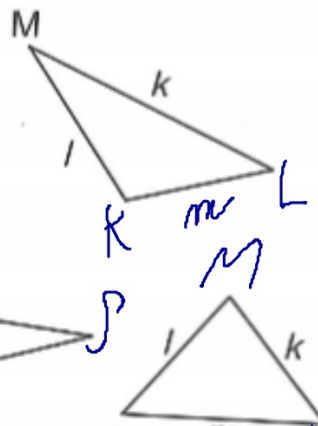
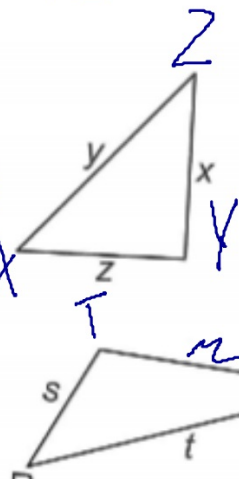
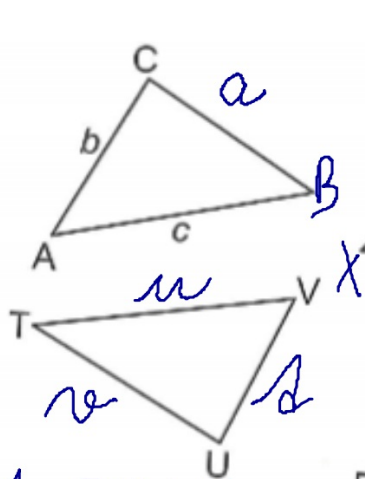
$\triangle ABC$

$\triangle KLM$

$\triangle TUV$

$\triangle ABC$

$\triangle XYZ$   $\triangle KLM$   $\triangle ABC$



~~$\triangle TUV$~~

$\triangle RST$

$\triangle KLM$

$\triangle XYZ$

## Trojúhelníková nerovnost

⇒ zjistíme, zda jde o sestrojíd

⇒  $\triangle$  má 3 strany

$$a + b > c$$

$$b + c > a$$

$$a + c > b$$

$$a = 6\text{cm}, b = 4\text{cm}, c = 5\text{cm}$$

$$a + b > c$$

$$6 + 4 > 5 \quad \checkmark$$

$$b + c > a$$

$$4 + 5 > 6 \quad \checkmark$$

$$a + c > b$$

$$6 + 5 > 4 \quad \checkmark$$

$\Rightarrow \Delta$  lze sestavit

$$a = 5\text{cm}, b = 2\text{cm}, c = 10\text{mm} \\ = 1\text{cm}$$

$$a + b > c \quad 5 + 2 > 1 \checkmark$$

$$b + c > a \quad 2 + 1 > 5 \times$$

$$a + c > b \quad 5 + 1 > 2 \checkmark$$

$\Rightarrow \triangle$  nelze sestrojiti