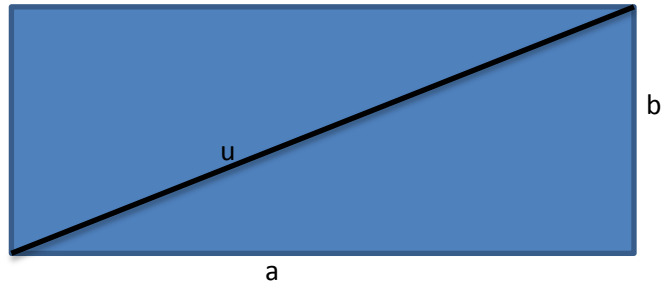


$$2a+2b=340\text{cm}$$

$$u=130\text{cm}$$



$$130^2=a^2+b^2$$

$$2a+2b=340 \rightarrow b=170-a$$

$$130^2=a^2+(170-a)^2$$

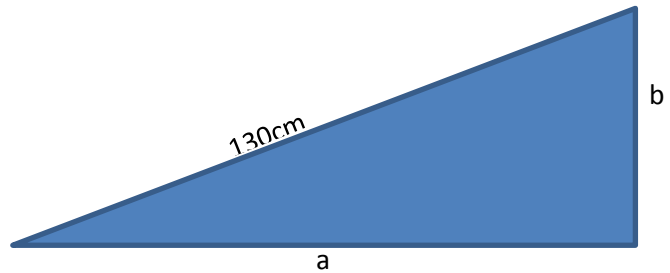
$$16900=a^2+28900-340a+a^2$$

$$2a^2-340a+12000=0 \quad /:2$$

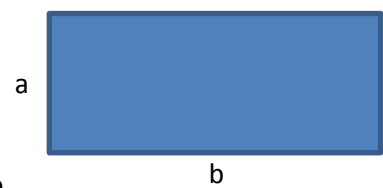
$$a^2-170a+6000=0$$

$$D=4900$$

$$x_{1,2} = \frac{170 \pm \sqrt{4900}}{2} = \begin{cases} 120\text{cm} \rightarrow b=170-a=50\text{cm} \\ 50\text{cm} \rightarrow b=170-a=120\text{cm} \end{cases}$$



V tomto prípade sú oba korene správne, pretože obdĺžnik môže byť takýto



ale aj takýto

