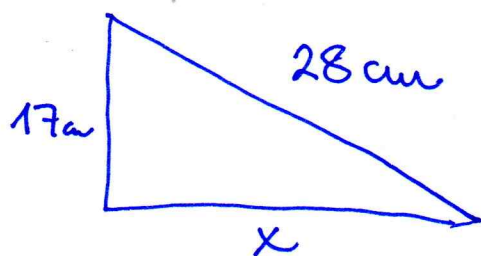


1.



$$S_{\Delta} = \frac{a \cdot b_a}{2}$$

$$S_{\Delta} = \frac{17 \cdot 22,25}{2} = \underline{\underline{189,1 \text{ cm}^2}}$$

$$O = 17 + 28 + 22,25 = \underline{\underline{67,25 \text{ cm}}}$$

$$x^2 = 28^2 - 17^2$$

$$x^2 = 784 - 289$$

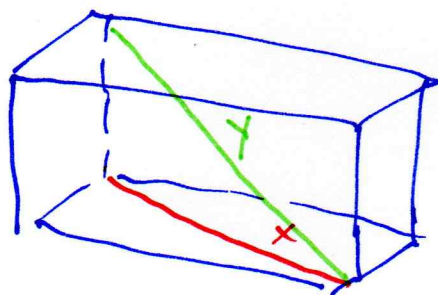
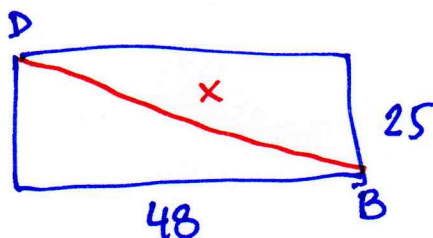
$$x^2 = 495$$

$$x = \sqrt{495}$$

$$x = 22,25 \text{ cm}$$

2. MUSIM UPOTRIBIT TELESON
UHOPRUEČKU

1) SPÔSOB



$$x^2 = 48^2 + 25^2$$

$$x^2 = 2304 + 625$$

$$x^2 = 2929$$

$$x = \sqrt{2929}$$

$$x = 54,12 \text{ cm}$$

$$y^2 = x^2 + 32^2$$

$$y^2 = 54,12^2 + 1024$$

$$y^2 = 2929 + 1024$$

$$y^2 = 3953$$

$$y = \sqrt{3953}$$

$$y = \underline{\underline{62,84 \text{ cm}}}$$

2) SPÔSOB (TADNÝ :-)

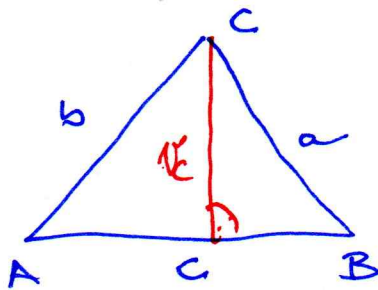
$$y = \sqrt{a^2 + b^2 + c^2}$$

$$y = \sqrt{48^2 + 25^2 + 32^2}$$

$$y = \sqrt{2304 + 625 + 1024}$$

$$y = \sqrt{3953} = \underline{\underline{62,84 \text{ cm}}}$$

3. ROVNOSTRANNÝ



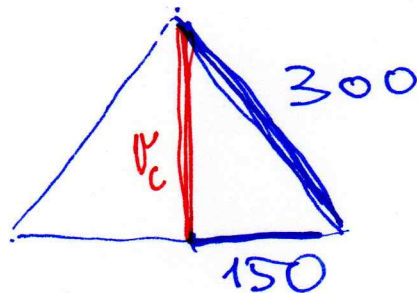
$$\sigma = 900$$

1 STRANA = $900 : 3$ (JE ROVNOSTRANNÝ)

$$c = 300 \text{ cm}$$

$$S_{\Delta} = \frac{c \cdot h_c}{2}$$

V ROVNOSTRANNOM Δ IDE VÝŠKA DO STŘEDU STRANY



$$h_c^2 = 300^2 - 150^2$$

$$h_c^2 = 90000 - 22500$$

$$h_c^2 = 67500$$

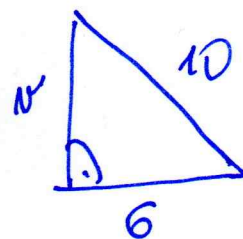
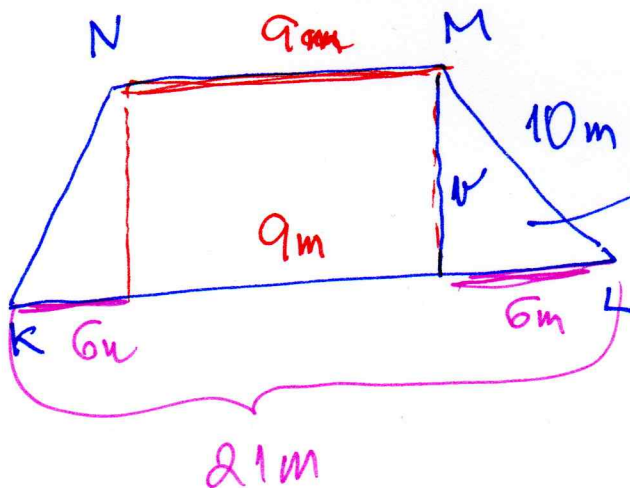
$$h_c = \sqrt{67500}$$

$$h_c = 259,8 \text{ cm}$$

$$S_{\Delta} = \frac{300 \cdot 259,8}{2} =$$

$$S_{\Delta} = \underline{\underline{38\,940 \text{ cm}^2}}$$

4.



$$h^2 = 10^2 - 6^2$$

$$h^2 = 100 - 36$$

$$h^2 = 64$$

$$h = \sqrt{64}$$

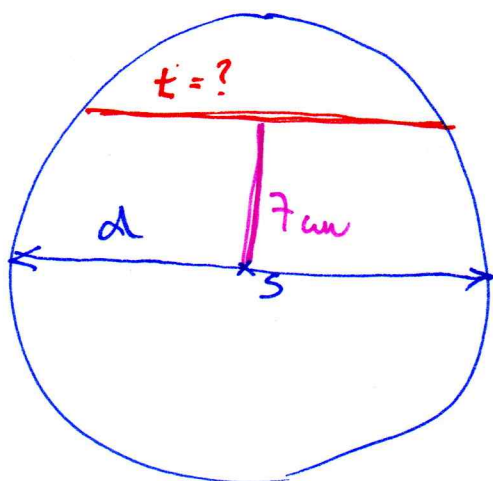
$$h = 8 \text{ cm}$$

$$\sigma = 21 + 9 + 10 + 10 = 50 \text{ m}$$

$$S = \frac{(a+c) \cdot h}{2} = \frac{(21+9) \cdot 8}{2} =$$

$$= 120 \text{ m}^2$$

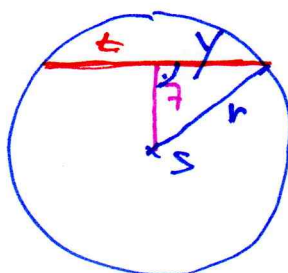
5.



$$d = 24 \text{ cm} \Rightarrow r = 12 \text{ cm}$$

TU JE DÔLEŽITÝ OBRÁZOK
TENTO JE NANIČ :-

TENTO JE DÔLEŽITÝ



(POLOVICA
TETIVY) $\rightarrow$

$$r^2 = y^2 + 7^2$$

$$y^2 = r^2 - 7^2$$

$$y^2 = 12^2 - 7^2$$

$$y^2 = 144 - 49$$

$$y = \sqrt{95}$$

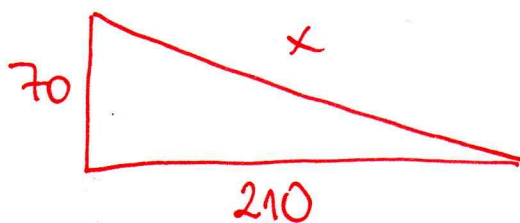
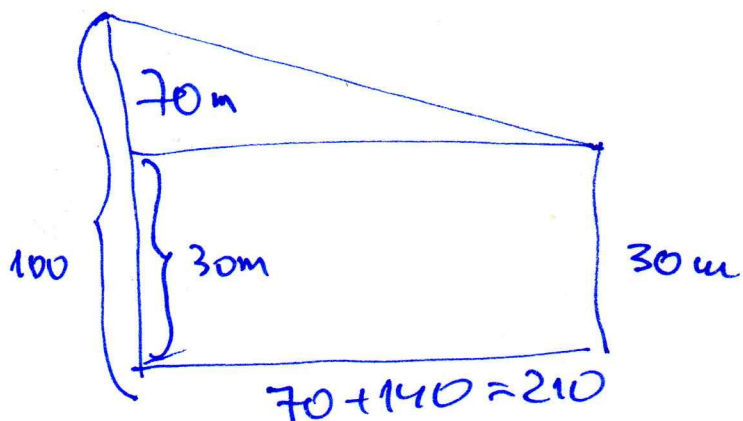
$$y \approx 9,75 \text{ cm} \rightarrow$$

$$\text{TETIVA} = 2 \cdot y =$$

$$2 \cdot 9,75 =$$

$$\underline{\underline{19,5 \text{ cm}}}$$

6. ZÁKLAD JE OBŤAŽOK



$$x^2 = 210^2 + 70^2$$

$$x^2 = 44100 + 4900$$

$$x^2 = 49000$$

$$x = \sqrt{49000}$$

$$x = \underline{\underline{221,36 \text{ m}}}$$