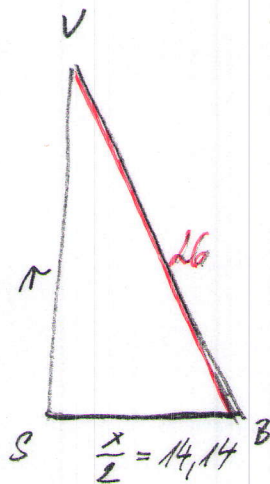
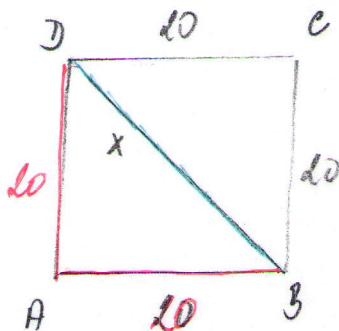
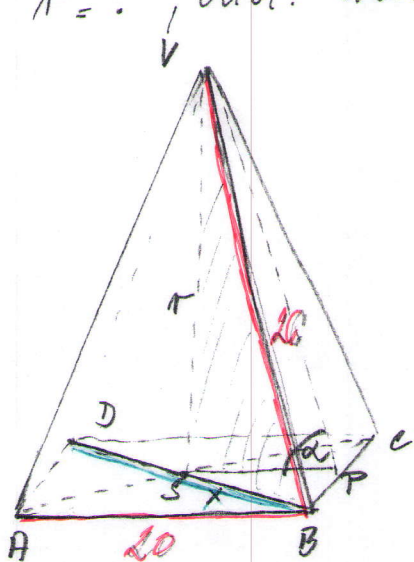


UKOL č. 12

CVIČENÍ str. 4

1) Pravoúhelníkový jehlan: $a = 20\text{cm}$, $b = 20\text{cm}$
 $\pi = ?$, oděr. stěn a vor. podst.

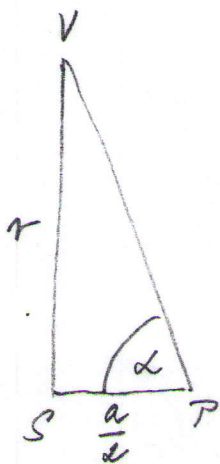


$$x^2 = 20^2 + 20^2$$

$$x = \underline{\underline{28,28\text{cm}}}$$

$$r^2 = 26^2 - 14,14^2$$

$$r = \underline{\underline{21,82\text{cm}}}$$



$$\text{tg } \alpha = \frac{21,82}{10} \quad \text{A}$$

$$\text{tg } \alpha = 2,182$$

$$\alpha = \underline{\underline{65^\circ 23' \quad \text{A}}}$$

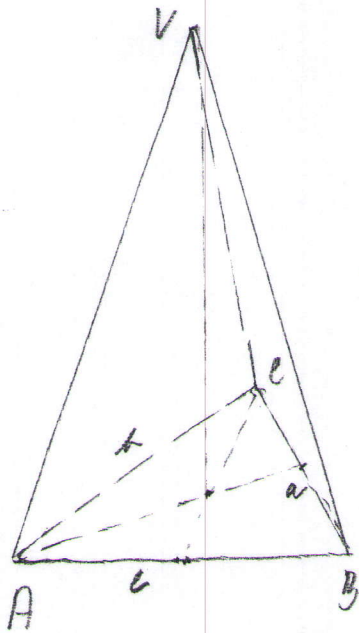
(46)

126	-	11		1
10	-	8		2
7	-	5		3
4	-	3		4
2	-	0		5

úkol č. 12

CVIČENÍ STV. 10

5)



$$V = 87,4 \text{ cm}^3, \quad a = 4 \text{ cm}, \quad b = 10 \text{ cm}, \quad c = 12 \text{ cm}$$

$$V = \frac{1}{3} S_p \cdot n$$

$$s = \frac{4 + 10 + 12}{2} = 13$$

$$S_p = \sqrt{s(s-a)(s-b)(s-c)}$$

$$S_p = \sqrt{13(13-4)(13-10)(13-12)}$$

$$S_p = 18,7 \text{ cm}^2$$

$$87,4 = \frac{1}{3} \cdot 18,7 \cdot n$$

$$262,2 = 18,7 \cdot n$$

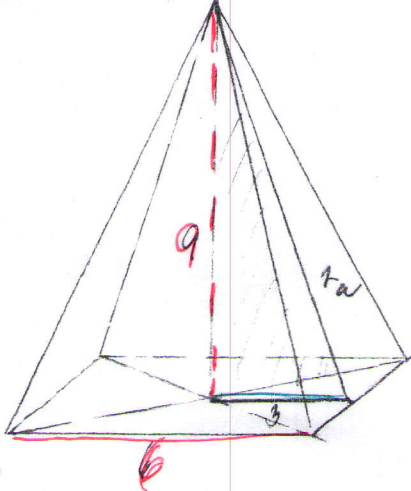
$$n = 14$$



úkol č. 12

CVIČENÍ č. 9

1) Práv. čtyřboký jehlan $a = 6 \text{ m}$, $v = 9 \text{ m}$.
5% na odpad. Poloha středy = plocha $S_{pl} = ?$



$$S_{pl} = 4 \cdot \frac{a \cdot s_a}{2} = 2 \cdot a \cdot s_a$$

$$S_{pl} = 2 \cdot 6 \cdot 9,5$$

$$S_{pl} = 114 \text{ m}^2$$

$$s_a^2 = 9^2 + 3^2$$

$$s_a = 9,5 \text{ m}$$

100% ... 114 m²

5% ... 5 · 1,14 = 5,7

114 + 5,7 = 119,7 m²

Sprotřebuje se 119,7 m² plechu.

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