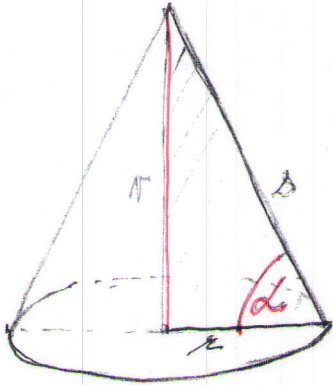


ÚKOL č. 13

CVIČENÍ:

$V = ?$, $S = ?$

1)



$r = 12,5 \text{ cm}$

$\alpha = 42^\circ 15'$

$\tan 42^\circ 15' = \frac{12,5}{r}$

$r = \frac{12,5}{\tan 42^\circ 15'}$

$r = 4 \text{ cm}$

$V = \frac{1}{3} \cdot \pi r^2 \cdot h$

$V = \frac{1}{3} \cdot 3,14 \cdot 4^2 \cdot 12,5$

$V = 209,3 \text{ cm}^3$

(86)

$S = \pi r (r + s)$

$S = 3,14 \cdot 4 (4 + 13,1)$

$S = 214,8 \text{ cm}^2$

$s^2 = r^2 + h^2$

$s^2 = 12,5^2 + 4^2$

$s = 13,1 \text{ cm}$

2) $d = 12 \text{ cm}$, $r = 6 \text{ cm}$; $+ 10\%$, $S_{pl} = ?$

$S_{pl} = \pi r s$

$S_{pl} = 3,14 \cdot 6 \cdot 13,4$

$S_{pl} = 252,5 \text{ cm}^2$

$s^2 = r^2 + h^2$

$s^2 = 12^2 + 6^2$

$s = 13,4 \text{ cm}$

$S_{pl} + 10\%$

$252,5 \cdot 1,1 = 277,8 \text{ cm}^2$

(46)

12	-	11		1
10	-	8		2
4	-	5		3
4	-	3		4
2	-	0		5