1) 
$$V = 30.30.500 - 4.77.5^{2}.30$$
 (em<sup>3</sup>)  
 $S = 860 \text{ kg}/\text{m}^{3} = 860.10^{-6} \text{ kg/em}^{3}$   
 $m = V. P = 348.89 \text{ kg}$ 

2) 
$$V = 450 \text{ dm}$$
  
 $V = 17 \text{ k}^2$ .  $N = 17$ .  $(\frac{2}{3}N)^2 N = 17$ .  $\frac{4}{9}N^3$   
 $17$ .  $\frac{4}{9}N^3 = 450$   $N = 3\sqrt{322}$ ,  $29 = 6186$   $-3r = 457$   
 $17$ .  $17$ 

$$w = 9.\sqrt{2} \implies \alpha = \frac{u}{\sqrt{2}} = \frac{8}{\sqrt{2}}$$

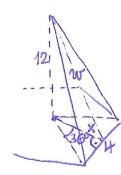
$$10 \implies w = \sqrt{100 + (\frac{4}{12})^2} = \sqrt{108} = 10_{1}39$$

$$S_{\square} = \frac{u^{2}}{2} = \frac{64}{2} = 32.$$

$$S_{\Delta} = \frac{\alpha \cdot w}{2} = \frac{\frac{84}{12} \cdot \sqrt{108}}{2} = 4. \sqrt{54} = 29,39$$

$$V = \frac{1}{3}S_{\square} \cdot N = \frac{1}{3} \cdot 32 \cdot 10 = 106,6e^{\frac{3}{2}}$$

$$S = S_{\square} + 4. S_{\Delta} = 32 + 16. \sqrt{54} = 149,58 \text{ cm}$$



$$4936^{\circ} = \frac{2}{x} \rightarrow x = \frac{2}{4936^{\circ}} = 2,45$$

$$12^{2} + (\frac{2}{4936^{\circ}})^{2} = 12,31$$

$$S_p = \frac{4.2145}{2}.5 = 24,50$$

$$S_{\Delta} = \frac{4.12131}{2} = 24162$$

$$Sp_{1} = 16 | Sp_{2} = 9$$

$$W = \sqrt{(\frac{1}{2})^{2} + 5^{2}} = 5,025$$

$$S_{---} = \frac{(4+3) \cdot 5,025}{2}$$

$$S = S_{p_1} + S_{p_2} + 4$$
,  $S_{\Box} = 95,35 \text{ cm}$   
 $V = \frac{1}{3} N \left( C_{p_1} + V_{sp_1} \cdot S_{p_2} + S_{p_2} \right) = 61,6 \text{ cm}^3$ 

4) 
$$0,945 = \frac{1}{3} \cdot v \cdot \left(1,2^2 + \sqrt{1,2^2 \cdot 0,3^2} + 0,3^2\right) \rightarrow v = 1,5 \text{ m}$$

$$V = \frac{1}{3} S_{p} \cdot N \qquad S = \pi r^{2} + \pi r \cdot s$$

$$\cos 68^{\circ} = \frac{5}{s} \implies s = 13,35$$

$$\log 68^{\circ} = \frac{N}{5} \implies N = 12,38$$

$$V = \frac{1}{3} \pi \cdot 25 \cdot 12,38 = 324,11 \text{ em}$$

$$S = \pi \cdot 25 + \pi \cdot 5, 13,35 = 288,24 \text{ em}$$

6) hranol: 
$$V = 50.50.150 = 375000 \text{ cm}^3$$
  
huxel:  $V = \frac{1}{3} \text{ Tr. } 25^2.50 = 32724,92 \text{ em}^3$ 

C = 2.50.50 + 4.50.150 - T.25 + T.25.55,90 = 34427 em

$$A = \sqrt{50^2 + 25^2} = 55,90$$

$$V = \frac{1}{3} \pi. N. (r_1^2 + r_1 \cdot r_2 + r_2^2)$$
  

$$S = Sp_1 + Sp_2 + \pi (r_1 + r_2) \cdot S$$

$$sim 30^\circ = \frac{x}{10} \implies x = 5$$

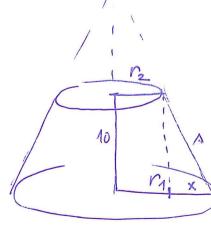
$$r_2 = 2 - x = 3$$

$$\cos 30^{\circ} = \frac{N}{10} \rightarrow N = 10. \frac{\sqrt{3}}{2} = 5\sqrt{3}$$

$$V = \frac{1}{3} \cdot \text{Ti.} \quad 5 \text{V3} \left( 8^2 + 8 \cdot 3 + 3^2 \right) \stackrel{!}{=} \frac{879,69 \text{ cm}^3}{574,91 \text{ cm}^2}$$

$$S = \text{Ti.} \quad 8^2 + \text{Ti.} \quad 3^2 + \text{Ti} \left( 8 + 3 \right) \cdot 10 \stackrel{!}{=} \frac{574,91 \text{ cm}^2}{574,91 \text{ cm}^2}$$

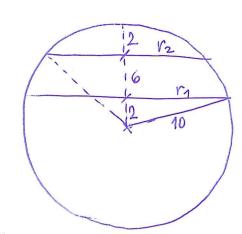




$$\Delta = \sqrt{4^2 + 10^2} = 10,77$$

$$V = \frac{1}{3} \pi \cdot 10 \cdot (q^2 + 9.5 + 5^2) = 1581 \cdot 24 \text{ em}$$

$$S = \pi \cdot q^2 + \pi \cdot 5^2 + \pi \cdot (9 + 5) \cdot 10.74 = 806.4 \text{ em}^2$$



a) 
$$V = \frac{4}{3} \pi \cdot 10^{3} = 4188,79 \text{ cm}^{3}$$
  
 $S = 4\pi \cdot 10^{2} = 1256,69 \text{ cm}^{2}$ 

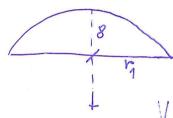
kulova vestva 
$$V = \frac{1}{6} \left( 3r_1^2 + 3r_2^2 + v^2 \right)$$
  $V = \frac{1}{6} \left( 3r_1^2 + 3r_2^2 + v^2 \right)$   $V = \sqrt{10^2 - 2^2} = 9.8$ 

$$V = 6$$

$$V_1 = \sqrt{10^2 - 2^2} = 9.8$$

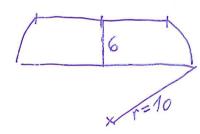
$$V_2 = \sqrt{10^2 - 8^2} = 6$$

$$V = \frac{11.6}{6} (3.918 + 3.6^2 + 36) = 1357,55 \text{ cm}^3$$

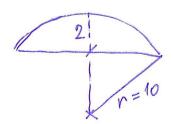


$$V = \frac{\pi \cdot v}{6} (3\eta^2 + v^2)$$

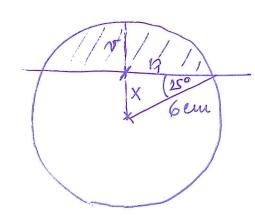
$$V = \frac{17.8}{6} (3.9.8^2 + 8^2) = 1474,96 \text{ cm}^3$$



$$S = 2.\pi.10.6 = 376166 \text{ cm}^2$$



## weelik:



Asin 
$$25^{\circ} = \frac{x}{6} \rightarrow x = 2454$$

Cos  $25^{\circ} = \frac{r_1}{6} \rightarrow r_1 = 5744$ 
 $v = r - x = 3146$ 

$$V = \frac{\pi \cdot 3,46}{6} \left( 3 \cdot 5,44^{2} + 3,46^{2} \right) = 18253 \quad \text{em}^{3}$$

$$S = 2 \cdot \pi \cdot 6 \cdot 3,46 + \pi \cdot 5,44^{2} = 223,41 \text{ em}^{2}$$