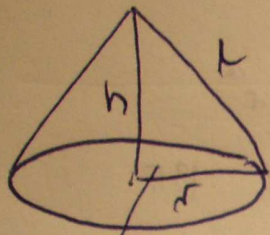


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$$P_{\text{сатн}} = 24\pi$$

$$P_{\text{сатн}} = P_{\text{подс}} + P_{\text{бок}}$$

$$P_{\text{подс}} = \pi r^2$$

$$P_{\text{бок}} = \pi r l$$

$$24\pi = \pi r^2 + \pi r l$$

$$P_{\text{подс}} = \frac{1}{3} 24\pi = 8\pi$$

$$\pi r^2 = 8\pi$$

$$r^2 = 8 = 3$$

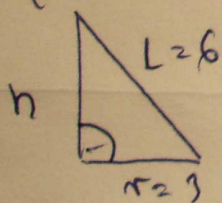
$$24 = 8 + 3l$$

$$24 - 8 = 3l$$

$$16 = 3l \quad :3$$

$$l = 6$$

$$V = \frac{1}{3} P_{\text{подс}} \cdot h = \frac{1}{3} \cdot \pi \cdot 3 \cdot h = \pi \cdot h = 3\pi \cdot h = 3\pi \cdot 3\sqrt{3} =$$



2. Т. ПИТАГОРА

$$h^2 = 6^2 - 3^2$$

$$h^2 = 36 - 9$$

$$h = \sqrt{27} = 3\sqrt{3}$$

$$\underline{\underline{9\sqrt{3}\pi}}$$