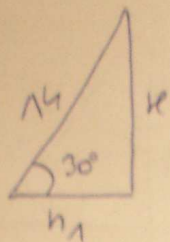
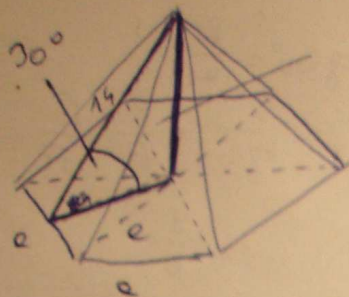


ЗАДАЧА



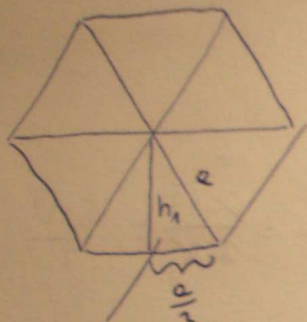
$$\cos 30^\circ = \frac{h_1}{14}$$

$$h_1 = 14 \cdot \cos 30^\circ = 14 \cdot \frac{\sqrt{3}}{2} = 7\sqrt{3}$$

$$\sin 30^\circ = \frac{H}{14}$$

$$H = 14 \cdot \sin 30^\circ = 14 \cdot \frac{1}{2} = 7$$

ПОДСТАВА



ИЛИ ПИФАГОРА

$$e^2 - \frac{e^2}{4} = (7\sqrt{3})^2$$

$$\frac{3e^2}{4} = 147 : \frac{3}{4}$$

$$e^2 = \frac{49}{147} \cdot \frac{4}{3}$$

$$e^2 = 196$$

$$e = \sqrt{196} = 14$$

$$P_{\text{подст}} = 6 \cdot P_{\text{пятиугоб.}}$$

$$P_{\text{пятиугоб.}} = \frac{e^2 \sqrt{3}}{4}$$

$$P_{\text{пятиугоб.}} = \frac{14^2 \sqrt{3}}{4} =$$

$$= \frac{196 \sqrt{3}}{4} = 49\sqrt{3}$$

$$P_{\text{подст}} = 6 \cdot 49\sqrt{3} = 294\sqrt{3}$$

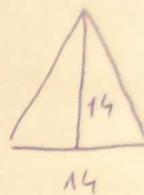
$$V = \frac{1}{3} P_{\text{подст}} \cdot H = \frac{1}{3} \cdot 294\sqrt{3} \cdot 7 = 686\sqrt{3}$$

$$P_{\text{полн}} = P_{\text{подст}} + 6 P_{\text{боку.}} =$$

$$= 294\sqrt{3} + 6 \cdot 98 = 294\sqrt{3} + 588 =$$

$$= 294(\sqrt{3} + 2)$$

ПЛОЩАДЬ БОКУ



$$P_{\text{б.}} = \frac{1}{2} \cdot 14 \cdot 14 = 98$$

☺ OK