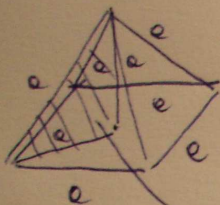


ЗАДАЧА



$$объ = 48$$

8 КВАДРАТОВ

$$8a = 48 \quad 2/8$$

$$a = 6$$

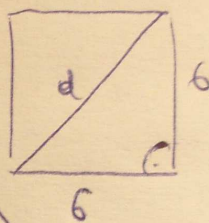
$P_{\text{бок}}; V$

ТРЕУГЛ БОКОВЫ
ТО ТРЕУГЛ
ПРЯМОУГОЛЬНИК

$$P_{\Delta \text{бок}} = \frac{a^2 \sqrt{3}}{4} = \frac{36 \sqrt{3}}{4} = 9\sqrt{3}$$

$$P_{\text{бок}} = 4 \cdot P_{\Delta \text{бок}} = 4 \cdot 9\sqrt{3} = 36\sqrt{3}$$

ПОДСТАВА

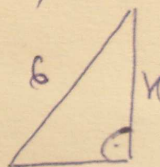


2 ТГ. ПИТАГОРАСА

$$d^2 = 6^2 + 6^2$$

$$d^2 = 36 + 36$$

$$d = \sqrt{72} = 6\sqrt{2}$$



$$\frac{d}{2} = \frac{6\sqrt{2}}{2} = 3\sqrt{2}$$

$$h^2 = 6^2 - (3\sqrt{2})^2$$

$$h^2 = 36 - 18$$

$$h = \sqrt{18}$$

$$h = 3\sqrt{2}$$

$$V = \frac{1}{3} P_{\text{подст}} \cdot h = \frac{1}{3} \cdot 36 \cdot 3\sqrt{2} = 36\sqrt{2}$$