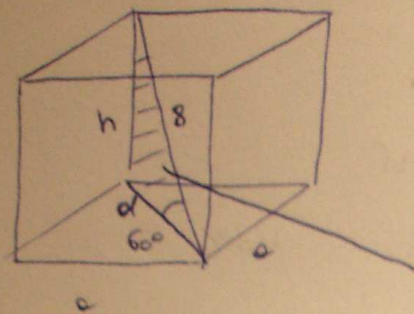
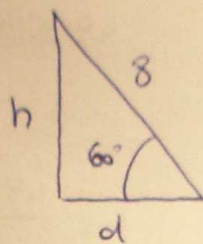


WAD 5.11



a, h, V, P_{catu}



$$\sin 60^\circ = \frac{h}{8}$$

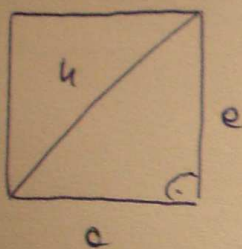
$$h = 8 \cdot \sin 60^\circ = 8 \cdot \frac{\sqrt{3}}{2} = \underline{\underline{4\sqrt{3}}}$$

$$\cos 60^\circ = \frac{d}{8}$$

$$d = 8 \cdot \cos 60^\circ = 8 \cdot \frac{1}{2} = 4$$

PODSTAWA

2 TH. PITAGORAS



$$a^2 + a^2 = e^2$$

$$2a^2 = 16 \quad :2$$

$$a^2 = 8 \quad | \sqrt{}$$

$$\underline{\underline{a = \sqrt{8} = 2\sqrt{2}}}$$

$$\underline{\underline{V = P_{\text{dasar}} \cdot h = a^2 \cdot h = (2\sqrt{2})^2 \cdot 4\sqrt{3} = 8 \cdot 4\sqrt{3} = 32\sqrt{3}}}$$

$$P_{\text{catu}} = 2P_{\text{dasar}} + 4P_{\text{segi empat}}_{\text{sisir}}$$

$$P_{\text{segi empat}}_{\text{sisir}} = a \cdot h = 2\sqrt{2} \cdot 4\sqrt{3} = 8\sqrt{6}$$

$$\underline{\underline{P_{\text{catu}} = 2 \cdot 8 + 4 \cdot 8\sqrt{6} = 16(1 + 2\sqrt{6})}}$$