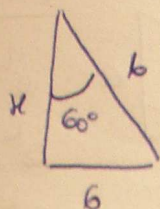
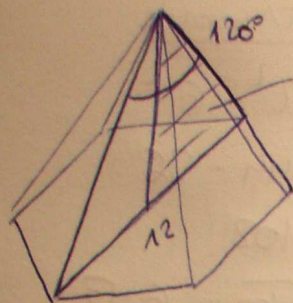


2AD C



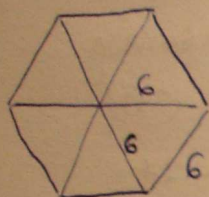
$$\cos 60^\circ = \frac{6}{b}$$

$$b = \frac{6}{\cos 60^\circ} = \frac{6}{\frac{1}{2}} = 12$$

$$\sin 60^\circ = \frac{6}{b}$$

$$b = \frac{6}{\sin 60^\circ} = \frac{6}{\frac{\sqrt{3}}{2}} = \frac{12}{\sqrt{3}} = 4\sqrt{3}$$

PODSTAWA



$$P_{\text{podst}} = 6 \cdot P_{\text{trójkąt}}.$$

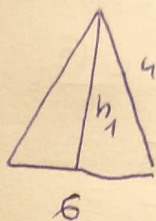
$$P_{\text{trójkąt}} = \frac{6^2 \sqrt{3}}{4} =$$

$$= \frac{36 \sqrt{3}}{4} = 9\sqrt{3}$$

$$P_{\text{podst}} = 6 \cdot 9\sqrt{3} = 54\sqrt{3}$$

TRÓJKĄT BOCINY

2 TL. PITAGORASA



$$h_1^2 = (4\sqrt{3})^2 - 3^2$$

$$h_1^2 = 48 - 9$$

$$h_1 = \sqrt{39}$$

$$P_{\text{bok}} = \frac{1}{2} \cdot 6 \cdot \sqrt{39} = 3\sqrt{39}$$

$$V = \frac{1}{3} P_{\text{podst}} \cdot H = \frac{1}{3} \cdot 54\sqrt{3} \cdot 2\sqrt{3} = 36 \cdot 3 = \underline{\underline{108}}$$

$$\begin{aligned} P_{\text{całk}} &= P_{\text{podst}} + 6P_{\text{bok}} = 54\sqrt{3} + 6 \cdot 3\sqrt{39} = 54\sqrt{3} + 18\sqrt{39} = \\ &= \underline{\underline{18\sqrt{3}(3 + \sqrt{13})}} \end{aligned}$$

