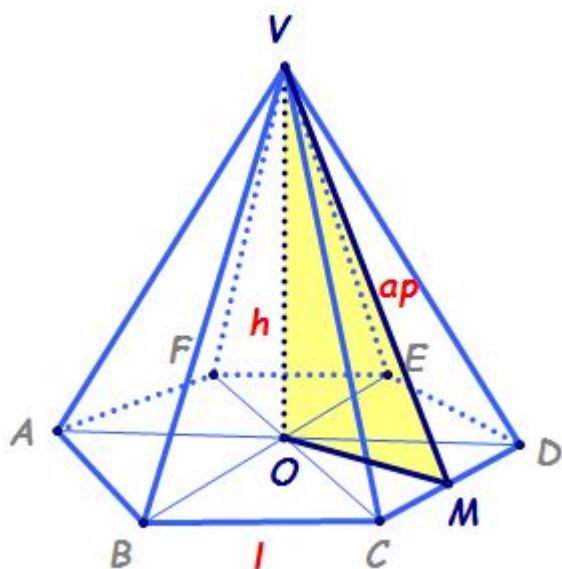


Piramida hexagonală regulată- formule pentru arii și volum



$$\begin{aligned} A_l &= \frac{P_b \cdot a_p}{2} \\ A_t &= A_l + A_b \\ V &= \frac{A_b \cdot h}{3} \end{aligned}$$

$$P_b = 6I$$

$$A_b = 6 \cdot A_{\triangle BOC} = 6 \cdot \frac{I^2 \sqrt{3}}{4}$$

$$A_b = \frac{3I^2 \sqrt{3}}{2}$$

Alte formule utile:

$$OC = OD = CD = I$$

$$OM = \frac{I\sqrt{3}}{2}.$$