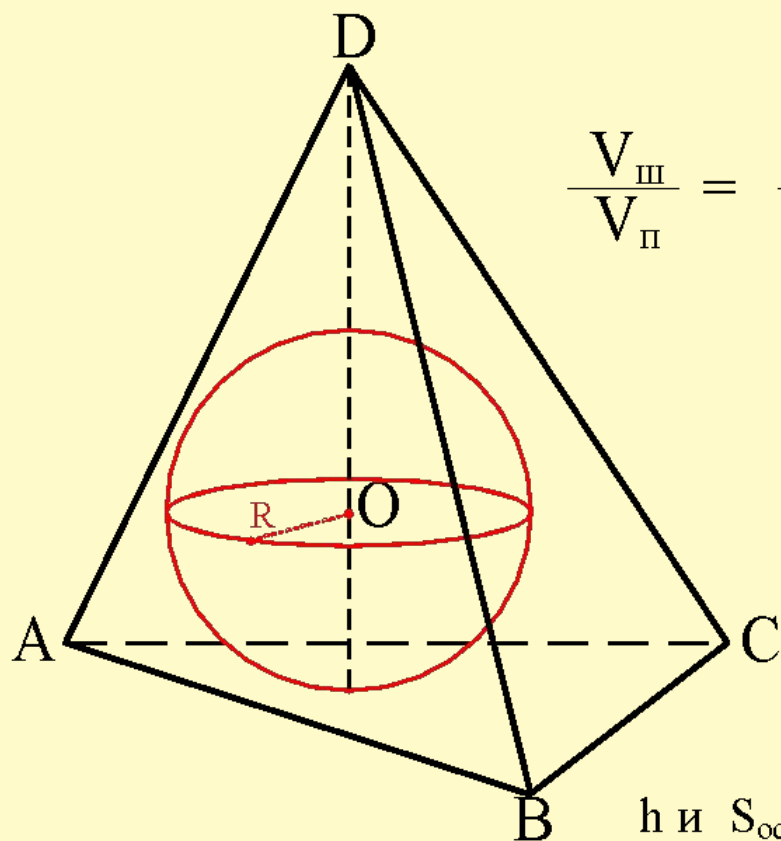
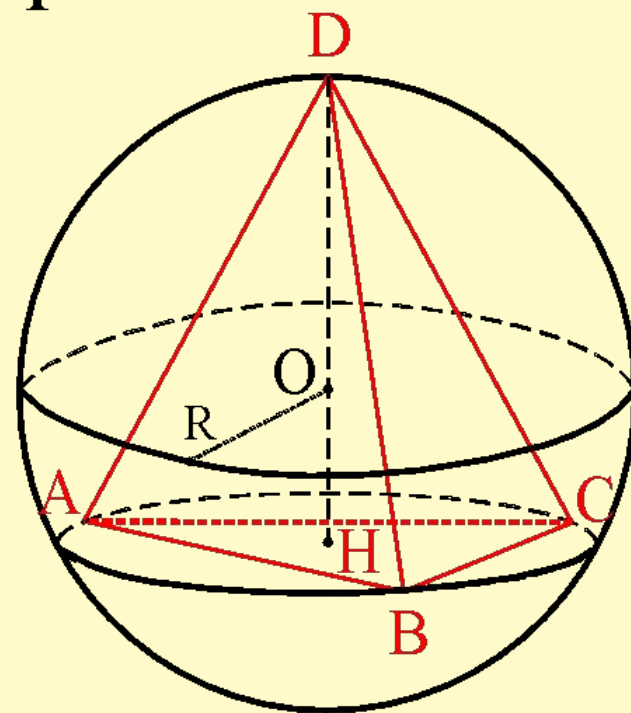


Пирамида и шар



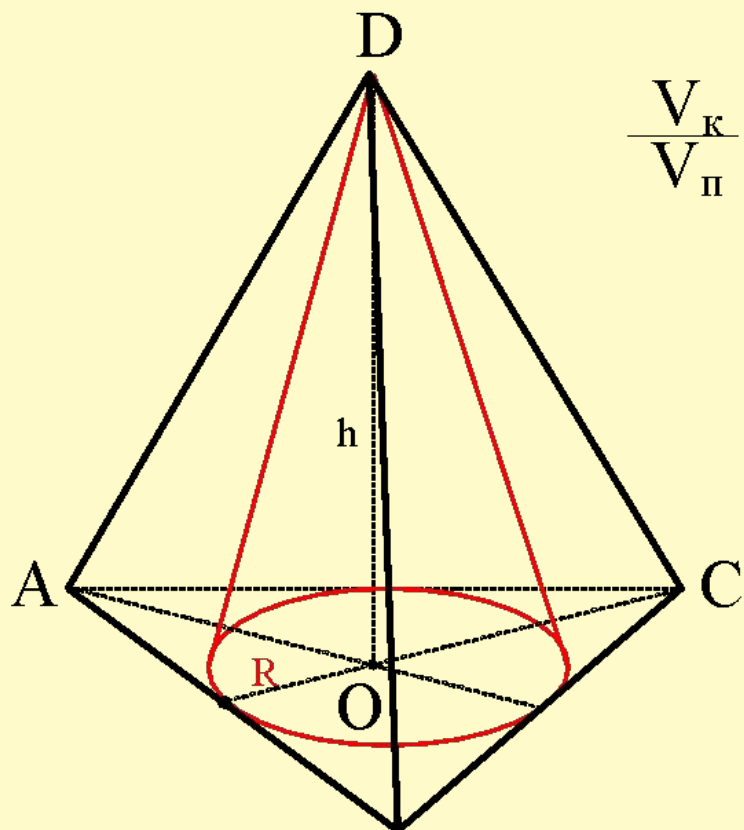
$$\frac{V_{\text{ш}}}{V_{\text{п}}} = \frac{4\pi R^3}{S_{ABC} \cdot h}$$



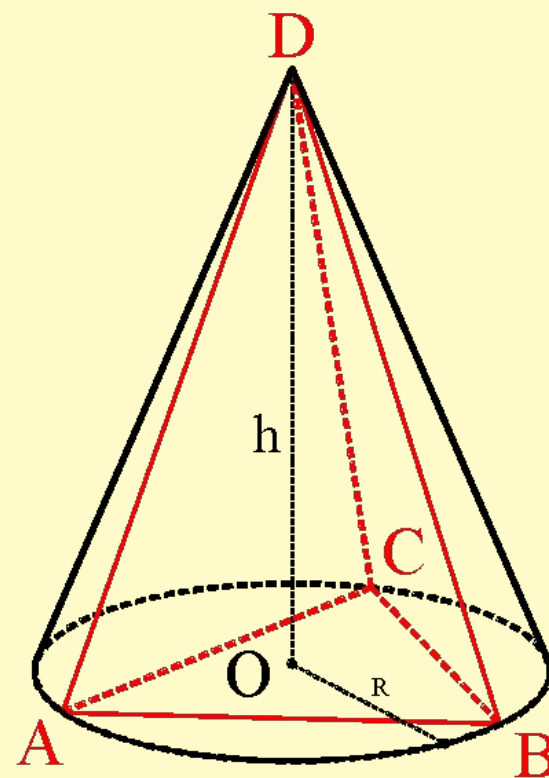
h и $S_{\text{осн}}$ – высота пирамиды и площадь ее основания соответственно;

R – радиус шара.

Пирамида и конус

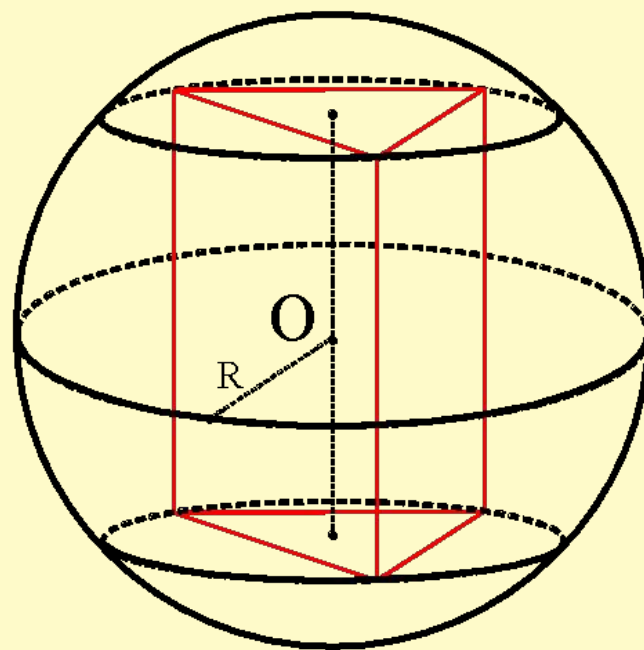
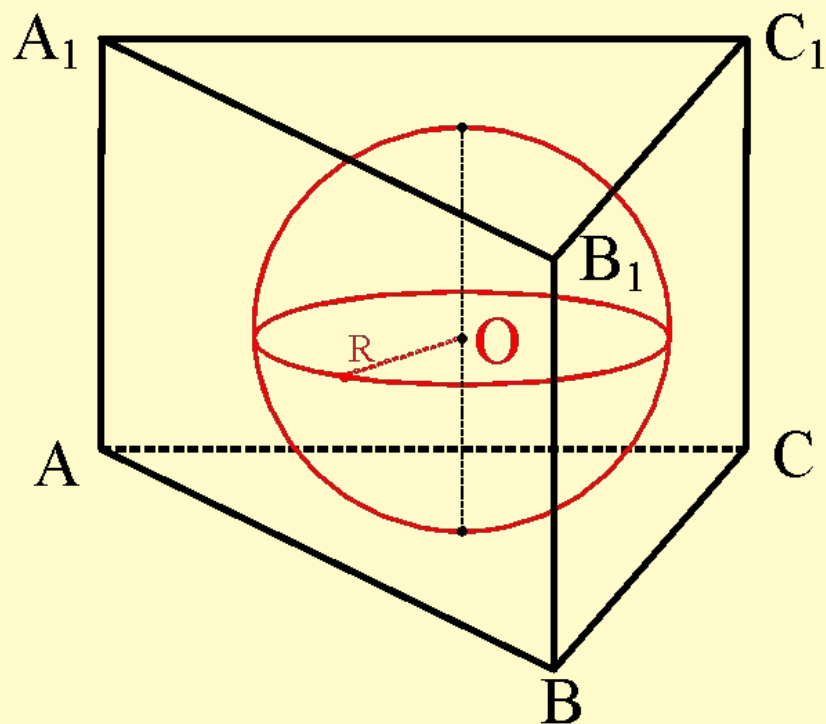


$$\frac{V_{\text{к}}}{V_{\text{п}}} = \frac{\pi R^2}{S_{\text{ABC}}}$$



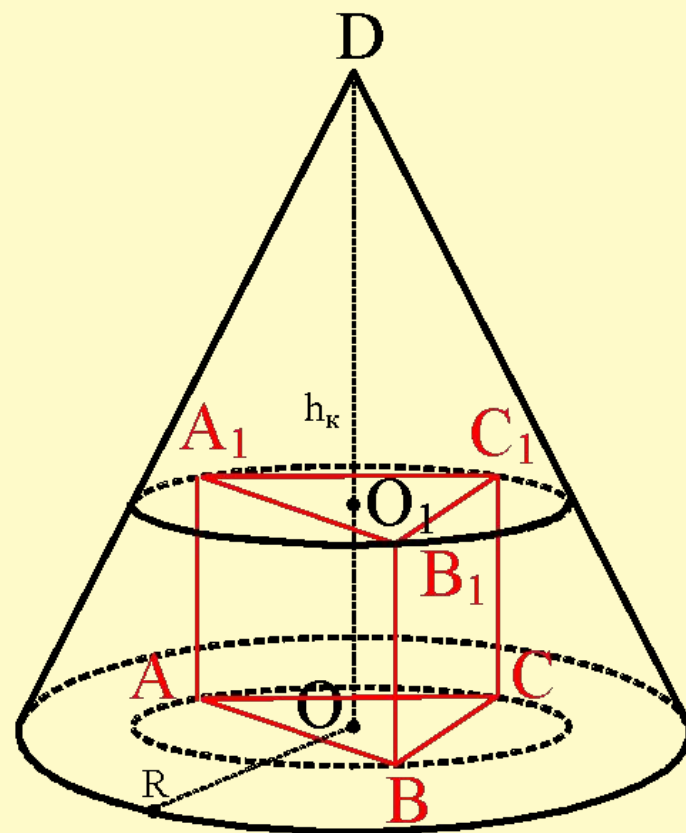
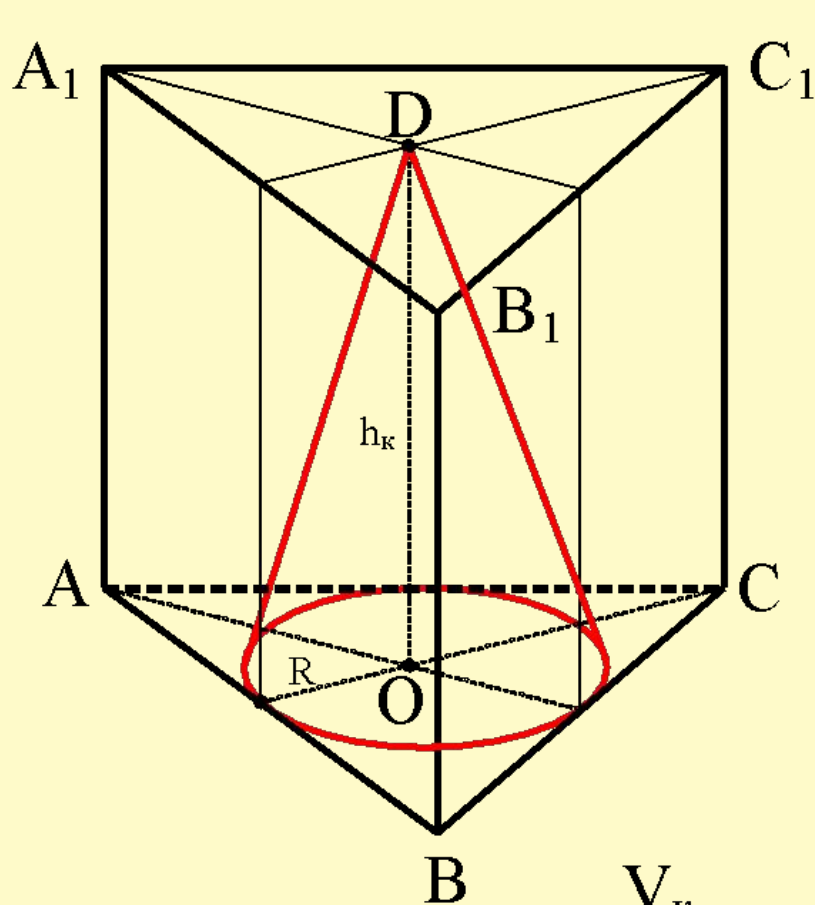
R – радиус основания конуса
 h – высота конуса и пирамиды

Призма и шар



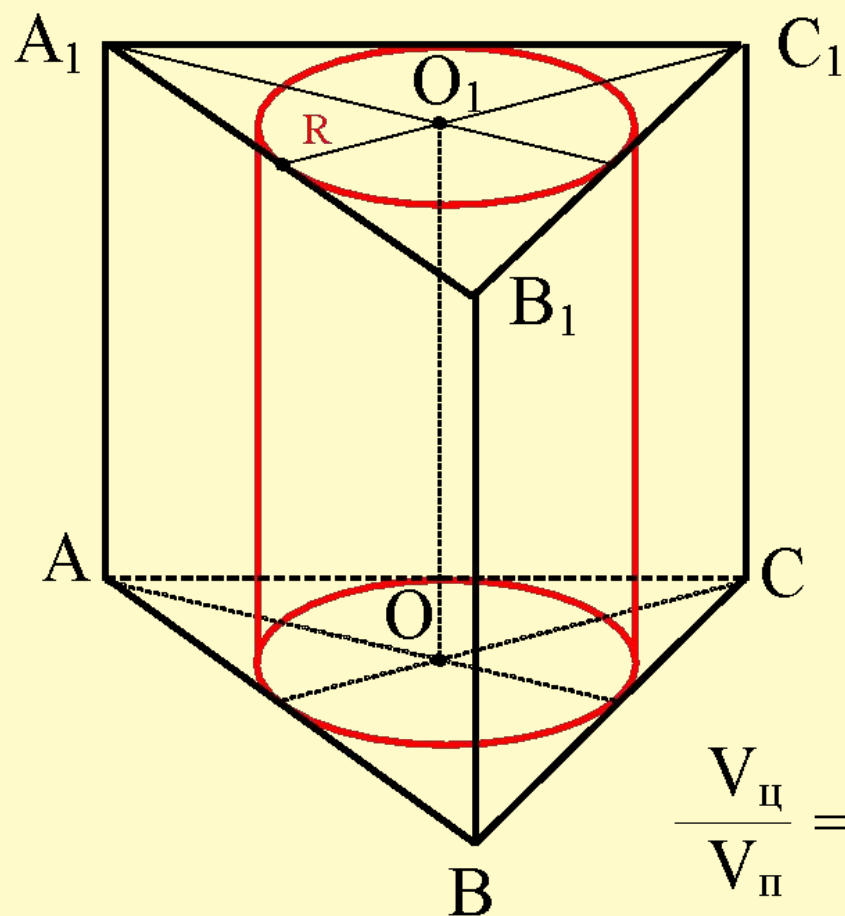
$$\frac{V_K}{V_{\Pi}} = \frac{4\pi R^3}{3S_{ABC} \cdot h}$$

Призма и конус

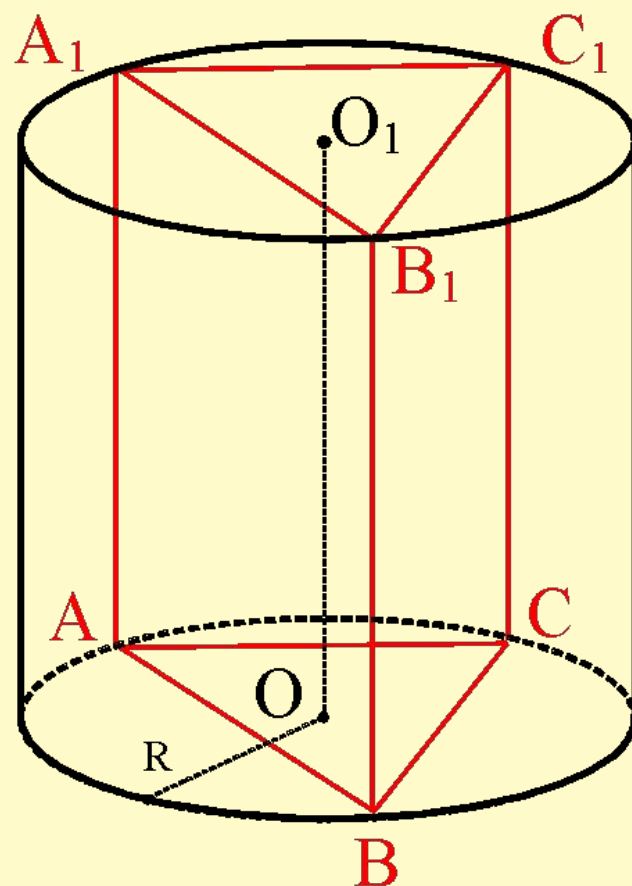


$$\frac{V_k}{V_{\Pi}} = \frac{\pi R^2 \cdot h_k}{3S_{ABC} \cdot h_{\Pi}}$$

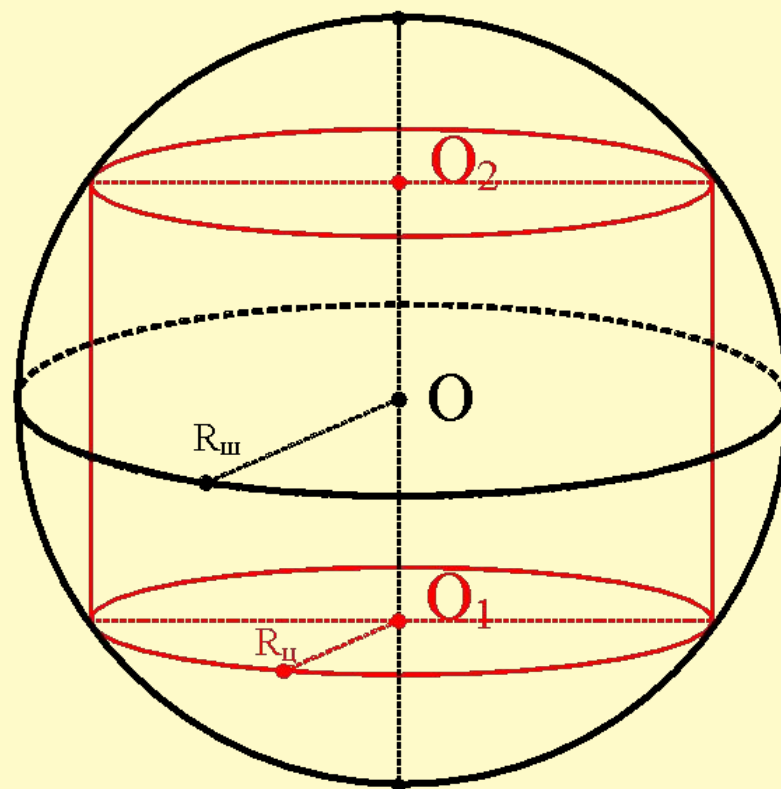
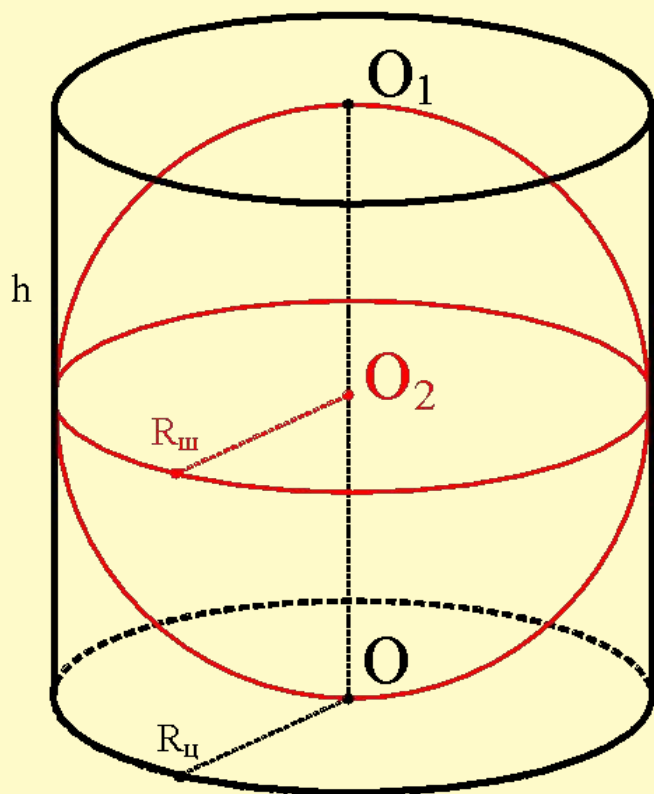
Призма и цилиндр



$$\frac{V_{\Pi}}{V_{\Pi}} = \frac{\pi R^2}{S_{ABC}}$$

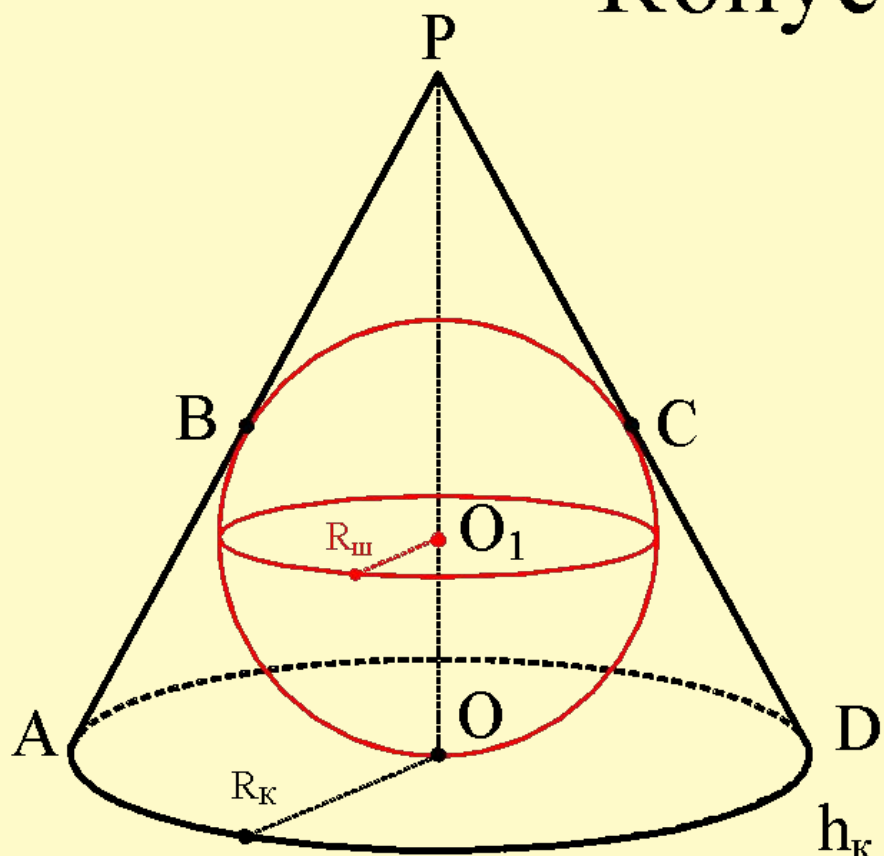


Цилиндр и шар

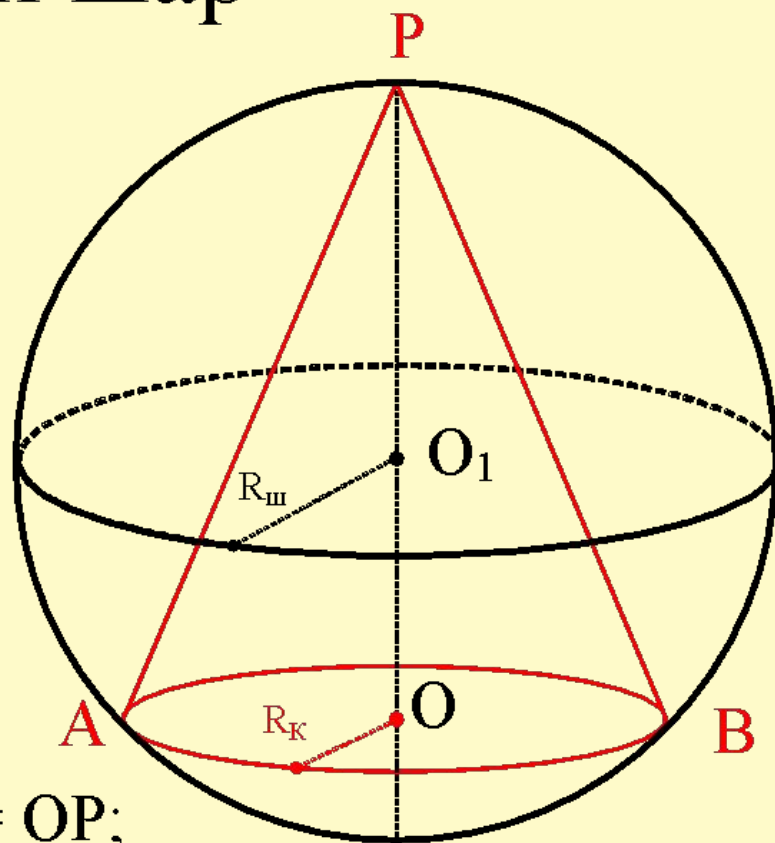


$$\frac{V_{\text{ш}}}{V_{\text{ц}}} = \frac{4R_{\text{ш}}^3}{3R_{\text{ц}}^2 \cdot h}$$

Конус и шар

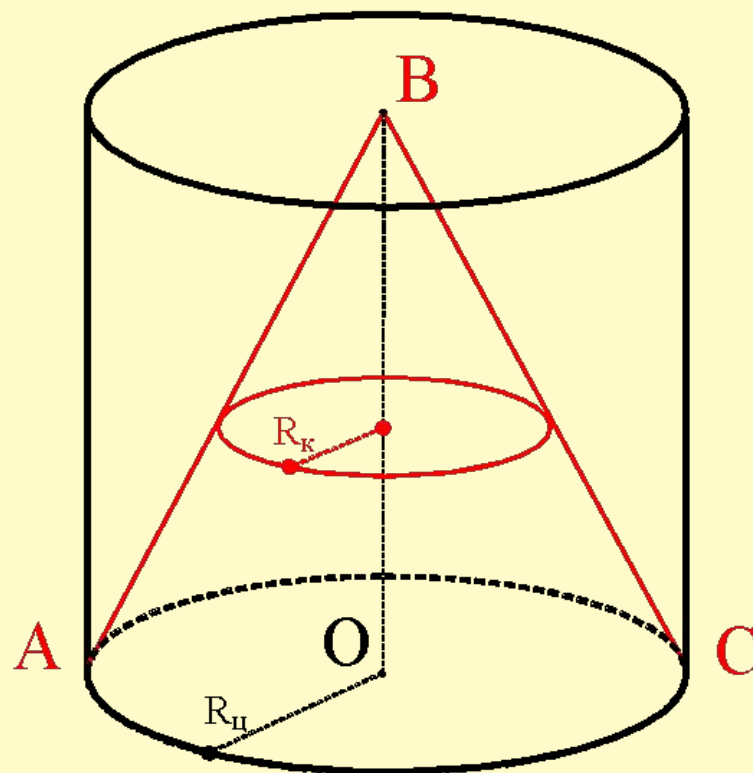
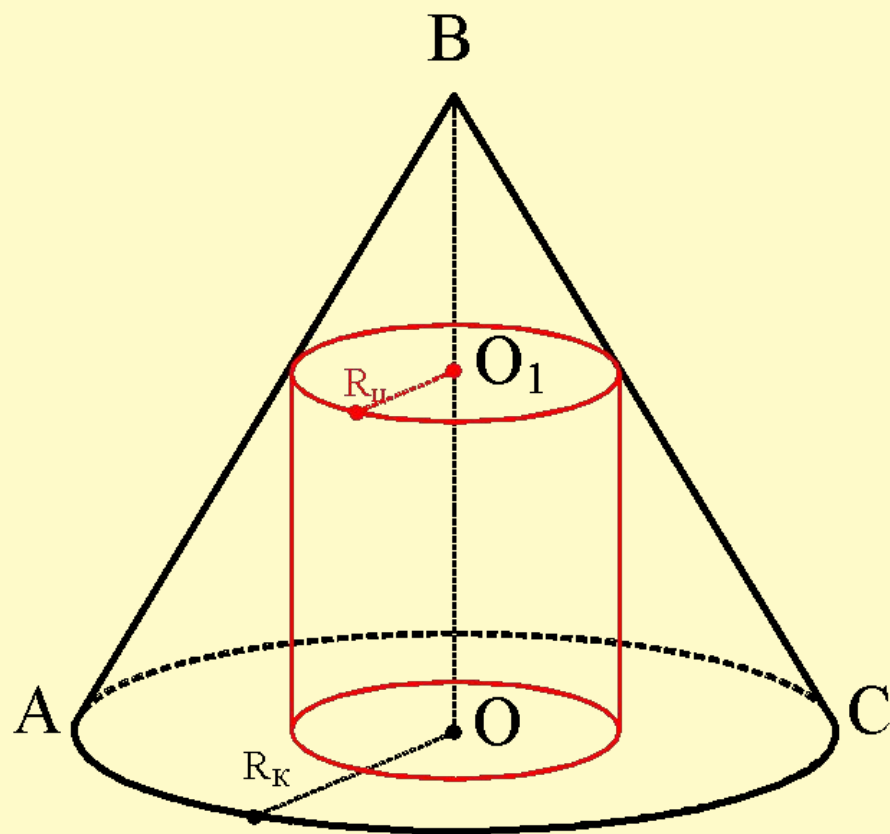


$$h_K = OP;$$



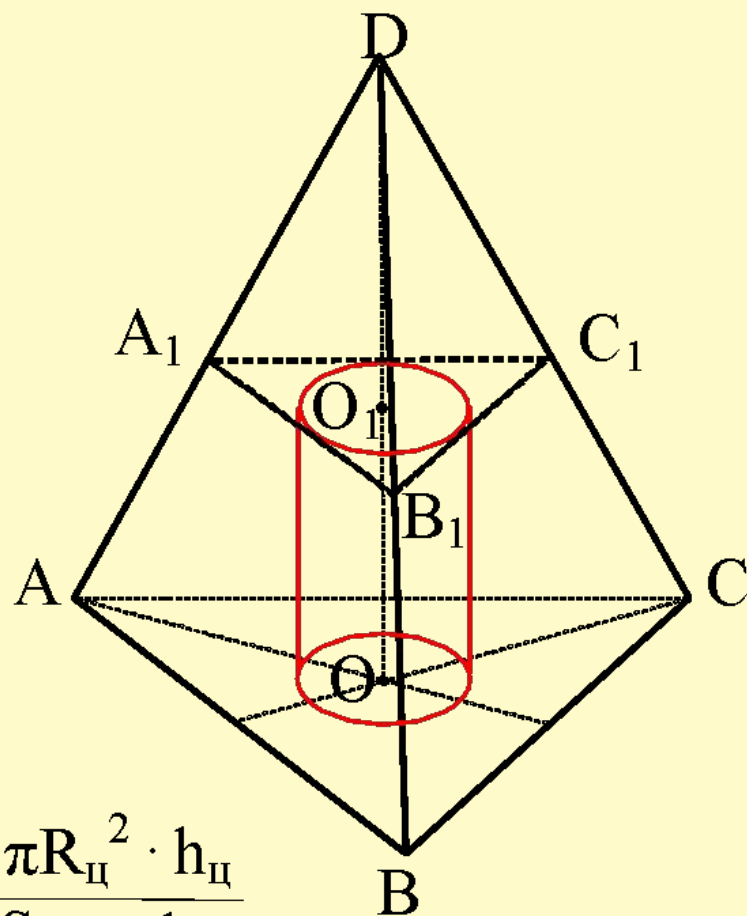
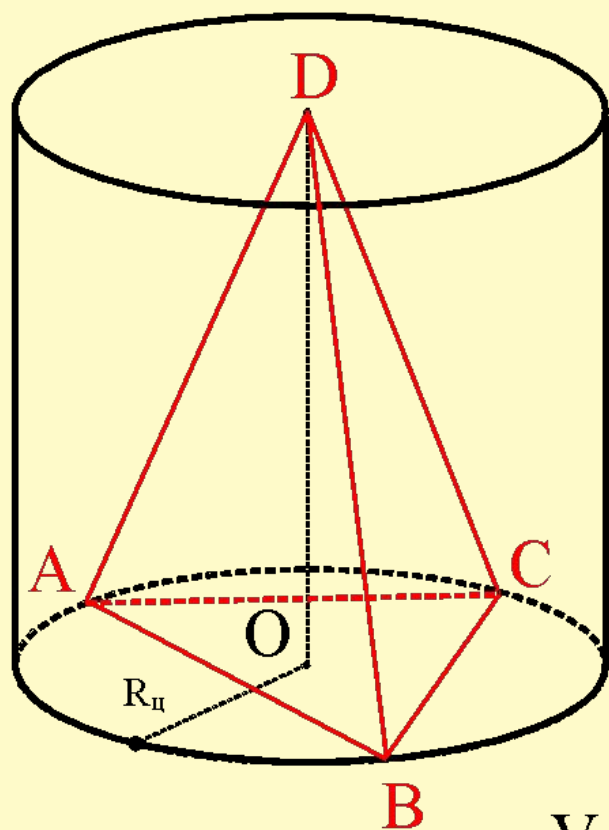
$$\frac{V_{\text{ш}}}{V_K} = \frac{4R_{\text{ш}}^3}{h_K \cdot R_K^2}$$

Цилиндр и конус



$$\frac{V_K}{V_{\Pi}} = \frac{R_K^2 \cdot h_K}{3R_{\Pi}^2 \cdot h_{\Pi}}$$

Цилиндр и пирамида



$$\frac{V_{\text{ц}}}{V_{\text{п}}} = \frac{3\pi R_{\text{ц}}^2 \cdot h_{\text{ц}}}{S_{\text{ABC}} \cdot h_{\text{k}}}$$