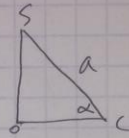
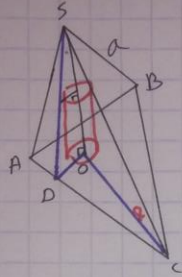
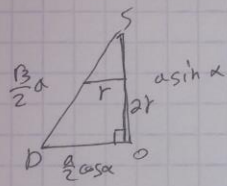


3.94
8



$$SO = a \sin \alpha$$

$$AO = a \cos \alpha$$



$DO = \frac{1}{2} CO = \frac{a}{2} \cos \alpha$ (ambil proyeksi) proyeksi Gelut

:DOS kelena p/w 3

$$\frac{r}{\frac{a}{2} \cos \alpha} = \frac{a \sin \alpha - 2r}{a \sin \alpha}$$

$$2r \sin \alpha = \frac{a \sin 2\alpha - 2r \cos \alpha}{2}$$

$$r = \frac{a \sin 2\alpha}{4(\sin \alpha + \cos \alpha)}$$

$$\begin{aligned}
 \text{Fk} V &= \pi r^2 \cdot 2r = 2\pi r^3 = \frac{2\pi \cdot a^3 \sin^3 2\alpha \cdot (\cos 45^\circ)^3}{4^3 (\sin \alpha + \cos \alpha)^3 (\cos 45^\circ)^3} = \frac{2\pi \cdot \frac{\sqrt{2}}{4} a^3 \sin^3 2\alpha}{64 (\sin \alpha + \cos \alpha)^3} \\
 \text{sinus} &= \cos 45^\circ \\
 &= \frac{2\pi a^3 \sin^3 2\alpha \cdot \frac{\sqrt{2}}{4}}{64 (\sin \alpha + \cos 45^\circ)^3} = \frac{2\pi a^3 \sin^3 2\alpha}{64 \cdot \sin^3(\alpha + \frac{\pi}{4})} = \frac{\sqrt{2} \pi a^3 \sin^3 2\alpha}{128 \sin^3(\alpha + \frac{\pi}{4})} //
 \end{aligned}$$