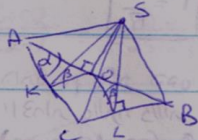


3.89  
6

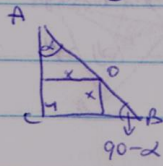


posisi dari titik AB - d pikan \$S\_0\$

\$K \perp KC\$ maka 3 garis di \$SK \perp AC\$

\$CB \perp SL, CA \perp OL\$ m3 pikan

\$x = OL = KO \leftarrow (3.s.s) \triangle LOS \cong \triangle KOS\$



$$AO = \frac{y}{\sin \alpha}, BO = \frac{x}{\cos \alpha}$$

$$C = AO + OB = x \left( \frac{1}{\sin \alpha} + \frac{1}{\cos \alpha} \right) = \frac{x(\sin \alpha + \cos \alpha)}{\sin \alpha \cos \alpha}$$

$$x = \frac{c \cdot \cos \alpha \sin \alpha}{\sin \alpha + \cos \alpha}, S_{ABC} = \frac{c^2 \sin \alpha \cos \alpha}{2}$$



$$S_0 = x \tan \beta = \frac{c \cdot \cos \alpha \sin \alpha \cdot \tan \beta}{\sin \alpha + \cos \alpha}$$

$$V = \frac{1}{3} S_{ABC} \cdot S_0 = \frac{c^3 \sin^2 \alpha \cos^2 \alpha \tan \beta}{6(\sin \alpha + \cos \alpha)}$$