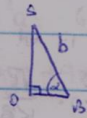
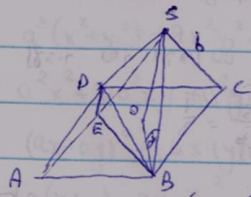


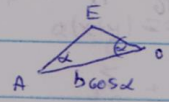
3.39
6



$$OB = b \cos \alpha \rightarrow |OB| = 2b \cos \alpha$$

$$AB = \sqrt{AO^2 + OB^2} = \sqrt{2b^2 \cos^2 \alpha} = \sqrt{2} b \cos \alpha$$

(sc (SPP)) α kin n/wf DED | \Rightarrow p/bsn



$$\frac{EO}{\sin \alpha} = \frac{b \cos \alpha}{\sin 2\alpha} \rightarrow EO = \frac{b}{2}$$

$EO \perp OB \Leftarrow$ p/w $\triangle DEB \Leftarrow$ (S.S.S) $\triangle ADE \cong \triangle ABE$

$$S_{DEB} = \frac{EO \cdot DB}{2} = \frac{\frac{b}{2} \cdot 2b \cos \alpha}{2} = \frac{b^2}{2} \cos \alpha$$