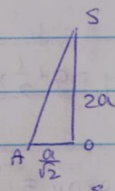
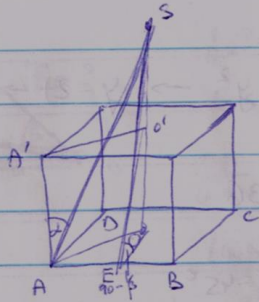
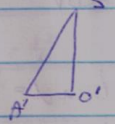


2.7 8 (6)



$$AO = \frac{1}{2} AC = \frac{1}{2} \sqrt{2} a$$

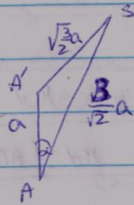
$$SA = \sqrt{SO^2 + AO^2} = \frac{\sqrt{17}}{2} a$$



$$SO' = a$$

$$A'O' = AO = \frac{a}{\sqrt{2}}$$

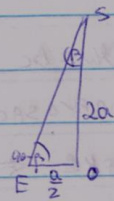
$$SA' = \sqrt{SO'^2 + A'O'^2} = \sqrt{\frac{5}{2}} a$$



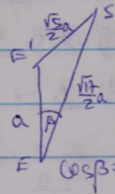
$$\frac{5}{2} a^2 = \frac{17}{2} a^2 + a^2 + 2 \cdot \frac{3}{2} a^2 \cos \alpha$$

$$\cos \alpha = \frac{4a^2}{\frac{6}{2} a^2} = \frac{2\sqrt{2}}{3}$$

$$\sin \alpha = \sqrt{1 - \cos^2 \alpha} = \frac{1}{3}$$



$$\cot \beta = \frac{2a}{\frac{a}{2}} = 4 \rightarrow \tan \beta = \frac{1}{\cot \beta} = \frac{1}{4}$$



$$SE = \sqrt{SO'^2 + O'E^2} = \frac{\sqrt{5}}{2} a$$

$$SE = \sqrt{SO^2 + EO^2} = \frac{\sqrt{17}}{2} a$$

$$\cos \beta = \frac{4}{\sqrt{17}} \quad \text{projektor senam}$$

(7)  $a^3 = (\sqrt{15}) \cdot \sqrt{10} \cdot 12$

$$\frac{1}{3} a^3 \cdot 2a = \frac{2a^4}{3} = (\sqrt{15}) \cdot \sqrt{10} \cdot 12$$

$$\frac{1}{3} \cdot \frac{a^3}{4} = \frac{a^3}{12} \quad \text{nikah timba mamban roj, orka aj}$$

$$\frac{2a^4}{3} - \frac{a^3}{12} = \frac{2a^4}{12} \quad \text{nikah phas mamban roj pff}$$

$$a^3 - \frac{2a^3}{12} = \frac{5a^3}{12} \quad \text{nikah kb kfe nikah roj}$$