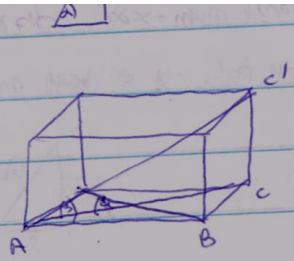
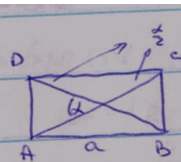
4.5
6

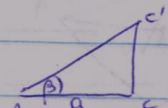




$AB = a$ (по)

$AD = a\tan\frac{\alpha}{2}$

$BD = AC = a\sqrt{1+\tan^2\frac{\alpha}{2}} = \frac{a}{\cos\frac{\alpha}{2}}$



$c'c = Ac\tan\beta = \frac{a\tan\beta}{\cos\frac{\alpha}{2}}$

$V = AB\cdot BC\cdot c'c = a\cdot a\tan\frac{\alpha}{2}\cdot\frac{a\tan\beta}{\cos\frac{\alpha}{2}} = \frac{a^3\sin\frac{\alpha}{2}\cdot\tan\beta}{\cos^2\frac{\alpha}{2}}$

$a = \sqrt[3]{\frac{V\cos^2\frac{\alpha}{2}}{\sin\frac{\alpha}{2}\tan\beta}} \Rightarrow c'c = \sqrt[3]{\frac{V\cos^2\frac{\alpha}{2}}{\sin\frac{\alpha}{2}\tan\beta}}\cdot\frac{\tan\beta}{\cos\frac{\alpha}{2}} =$

$= \sqrt[3]{\frac{V\cos^2\frac{\alpha}{2}\cdot\tan^3\beta}{\sin\frac{\alpha}{2}\tan\beta\cos^3\frac{\alpha}{2}}} = \sqrt[3]{\frac{V}{\sin\frac{\alpha}{2}\cos\frac{\alpha}{2}\tan^2\beta}}$

$= \sqrt[3]{\frac{V}{\frac{1}{2}\sin\alpha\tan^2\beta}} = \sqrt[3]{\frac{2V}{\sin\alpha\tan^2\beta}}$

S