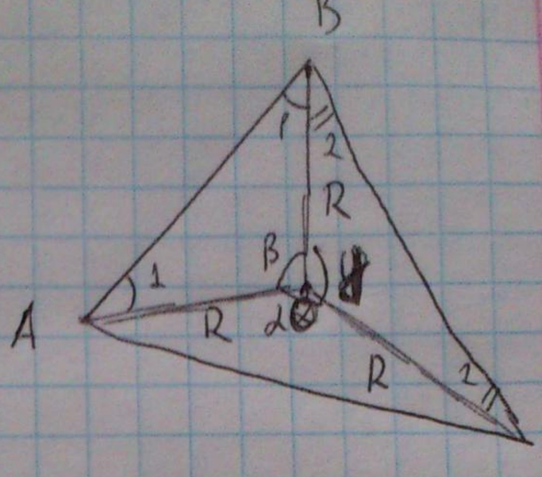
$\alpha+\beta+\gamma=360^\circ$




№ 1.1.

$\angle 1=\dfrac{180-\beta}{2}=\dfrac{180-(360-\alpha-\gamma)}{2}$

$\angle 2=\dfrac{180-\gamma}{2}=\dfrac{180-(360-\alpha-\beta)}{2}$

$\angle ABC=\angle 1+\angle 2=\dfrac{360-720+\alpha+\beta+\gamma+\alpha}{2}=\dfrac{-360+\alpha+\beta+\gamma+\alpha}{2}=\dfrac{-360+360+\alpha}{2}$

$=\dfrac{\alpha}{2}=\dfrac{\angle AOC}{2}$

аналогично $\angle AOB=\angle 2C$, $\angle BOC=\angle 2A$.

$S_{\Delta AOC}=\dfrac{1}{2}AO\cdot OC\cdot\sin\angle AOC=\dfrac{1}{2}R\cdot R\cdot\sin 2B=\dfrac{R^2\sin 2B}{2}$

$S_{\Delta BOC}=\dfrac{R^2\sin 2A}{2}$ $S_{\Delta AOB}=\dfrac{R^2\sin 2C}{2}$

$\lambda_1:\lambda_2:\lambda_3=\dfrac{S_{\Delta OBC}}{S_{\Delta ABC}}:\dfrac{S_{\Delta AOC}}{S_{\Delta ABC}}:\dfrac{S_{\Delta ABO}}{S_{\Delta ABC}}=$

$=\dfrac{R^2\sin 2A}{S}:\dfrac{R^2\sin 2B}{S}:\dfrac{R^2\sin 2C}{S}=\sin 2A:\sin 2B:\sin 2C$

Ответ: $O(\sin 2A:\sin 2B:\sin 2C)$