

Mutassuk meg, hogy

$$\sin^2 \alpha + \sin^2 \beta - \sin^2 \gamma = 2 \sin \alpha \sin \beta \cos \gamma$$

és

$$\cos^2 \alpha + \cos^2 \beta - \cos^2 \gamma = 1 - 2 \sin \alpha \sin \beta \cos \gamma,$$

ha

$$\alpha + \beta + \gamma = 180^\circ.$$