9.38
א3

$$\frac{\sin\alpha-\sin\beta}{\sin\alpha}=1-2\cos\gamma$$

$$1-\frac{\sin\beta}{\sin\alpha}=1+2\cos(\alpha+\beta)$$

$$-\frac{\sin\beta}{\sin\alpha}=2\cos(\alpha+\beta)$$

$$-\sin\beta=2\sin\alpha\cos(\alpha+\beta)$$

$$-\sin\beta=\sin(2\alpha+\beta)-\sin\beta$$

$$\begin{cases}2\alpha+\beta=\pi\\ \alpha+\beta+\gamma=\pi\end{cases}$$ מתקיים

$\alpha=\gamma$