

$$\begin{aligned}
& \frac{\sin \alpha \sin(\alpha + \beta) + \cos \alpha \cos(\alpha + \beta)}{\cos \beta} = \\
& \frac{\sin^2 \alpha \cos \beta + \sin \alpha \cos \alpha \sin \beta + \cos^2 \alpha \cos \beta - \cos \alpha \sin \alpha \sin \beta}{\cos \beta} = \\
& = \frac{\sin^2 \alpha \cos \beta + \cos^2 \alpha \cos \beta}{\cos \beta} = \sin^2 \alpha + \cos^2 \alpha = 1.
\end{aligned}$$

(Szőke Dezső, Zenta.)

Megoldások száma: 22.