1. Sprawdź tożsamość ctg² * sin £ = 1/sin £ = sin £

$$ctg^2\alpha \cdot \sin\alpha =$$

$$= \frac{\cos^2\alpha}{\sin^2\alpha} \cdot \sin\alpha =$$

$$= \frac{\cos^2\alpha}{\sin\alpha \cdot \sin\alpha} \cdot \sin\alpha = \frac{\cos^2\alpha}{\sin\alpha} =$$

$$= \frac{1-\sin^2\alpha}{\sin\alpha} = \frac{1}{\sin\alpha} - \frac{\sin^2\alpha}{\sin\alpha} =$$

← skracam kwadrat z sinα

$$= \frac{1}{\sin\alpha} - \sin\alpha$$

:) k