

2.48
PT

$$\frac{1}{\sin^2 \alpha} + \frac{1}{\cos^2 \alpha} \geq 4$$

$$\cos^2 \alpha + \sin^2 \alpha \geq 4 \sin^2 \alpha \cos^2 \alpha$$

$$1 \geq 4 \sin^2 \alpha \cos^2 \alpha$$

or, all $\alpha \in \mathbb{R}$ ko \sin

$\cdot \alpha \in \mathbb{R}$ ko \cos