

A

3) Zjednodušte výrazy:

a) $1 - \sin^2 x + \cot^2 x \cdot \sin^2 x$

Vzorce:

$$\sin^2 x + \cos^2 x = 1$$

$$\cot^2 x = \frac{\cos^2 x}{\sin^2 x}$$

$$1 - \sin^2 x + \cot^2 x \cdot \sin^2 x = 1 - \sin^2 x + \frac{\cos^2 x}{\sin^2 x} \cdot \sin^2 x = 1 - \sin^2 x + \cos^2 x = 2 \cos^2 x$$

[Zpět:](#)

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