

Projeto Mathematical Ramblings

<https://sites.google.com/site/mathematicalramblings/>

Questão:

Calcule $\text{colog}_{\sqrt{3}}(\frac{1}{81})$.

Resolução:

$$\begin{aligned}\text{colog}_{\sqrt{3}}(\frac{1}{81}) &= -\log_{\sqrt{3}}(\frac{1}{81}) = -2\log_3(\frac{1}{81}) = \\ &= 2\log_3(81) = 2 \cdot 4 = 8.\end{aligned}$$