

INDICES & LOGARITHMS

REVISION KIT FORM 3 LEVEL

USE LOGARITHMS CORRECT TO 4 DECIMAL PLACES TO EVALUATE. (3MKS)

$$\sqrt{\frac{0.3698 \sin 56}{2.548}}$$

Given that $\sqrt[3]{9^4} = 3^n$, find the value of n .

Without using mathematical tables or a calculator, evaluate
 $5/6 \log_{10} 64 + \log_{10} 50 - 4 \log_{10} 2$.

Use logarithms to evaluate,

$$\sqrt[3]{\frac{(1.654)^2}{45.73 \times 0.56}}$$

Solve the equation; $2 \log x - \log (x - 2) = 2 \log 3$.

Use logarithms to evaluate

$$\sqrt{\frac{34.33}{5.25 \times 0.042}}$$

In this question, show all the steps in your calculations, giving the answer each stage. Use logarithms correct to decimal places, to evaluate.

$$\frac{6.373 \log 4.948}{\sqrt{0.004636}}$$