

**Logarithm - Calculator**

Sheet 1

Example: Find the value of  $\log_2 5$  using calculator.

$$\log_2 5 = \frac{\log 5}{\log 2} \quad (\text{or}) \quad \frac{\ln 5}{\ln 2} \quad (\text{change of base rule})$$

$$= \mathbf{2.32}$$

Find the value of each logarithm using calculator. Round the answer to two decimal places.

1)  $\log_5 7 =$

2)  $\log_3 1.2 =$

3)  $\log_4 12 =$

5)  $2 \log_9 2 =$

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Find the value of e to two decimal places

Round the answer

7)  $\log_3 6 - \log_2 8$

9)  $\log_4 7 + \log_7 13$

11)  $\log_8 14 - \log_3 6$

12)  $\frac{\log_2 5}{\log_4 8}$