

Logarithm - Calculator

Sheet 2

Example: Find the value of $\log_4 8$ using calculator.

$$\log_4 8 = \frac{\log 8}{\log 4} \quad (\text{or}) \quad \frac{\ln 8}{\ln 4} \quad (\text{change of base rule})$$

$$= 1.5$$

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

1) $2 \log_3 4 =$

2) $\log_5 13 =$

3) $\log_7 0.6 =$

5) $\log_6 3 =$

Find the value of e
to two decimal pla

Round the answer

7) $\log_4 12 + \log_2 4$

9) $\log_3 5 \cdot \log_2 10$

11) $\log_7 12 + \log_3 7$

12) $\log_6 8 - \log_3 14$

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$$\log_4 8 = \frac{\log 8}{\log 4} \quad (\text{or}) \quad \frac{\ln 8}{\ln 4} \quad (\text{change of base rule})$$

$$= 1.5$$

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

1) $2 \log_3 4 =$

2.52

2) $\log_5 13 =$

1.59

3) $\log_7 0.6 =$

3

5) $\log_6 3 =$

1.11**PREVIEW**

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Find the value of e
to two decimal pla

7) $\log_4 12 + \log_2 4$

3.8

Round the answer

9) $\log_3 5 \cdot \log_2 10$

4.87**4.45**

11) $\log_7 12 + \log_3 7$

3.05

12) $\log_6 8 - \log_3 14$

- 1.24