

Evaluating Logarithmic Expressions

Evaluate each expression.

1) $\frac{\log_7 49}{8 \log_{\frac{1}{3}} 9}$

2) $2 \log_2 8 + \log_{\frac{1}{8}} 2$

3)

Preview

5)

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7)

$\log_{\frac{1}{9}}(3)$

$\log_2 4$

$\log_{\frac{1}{2}} 8$

$\log_{\frac{1}{5}}(25)$

9) $7 \log_4 \left(\frac{1}{2}\right) + \log_6 216$

10) $\log_6 36 \cdot 3 \log_8 2$
