

Expanding Logarithmic Expressions

Expand each expression.

1) $\log_t \left(\frac{x^2}{y} \right) =$ _____

2) $3 \log_2 a^2 b^3 =$ _____

3) _____

4) _____

5) _____

6) _____

7) $\log_{10} \left(\frac{p}{q^2} \right)^5 =$ _____

8) $\log_m (rs)^3 =$ _____

9) $4 \log_n \left(\frac{5}{w} \right) =$ _____

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