

Expanding Logarithmic Expressions

Expand each expression.

1) $6 \log_4 p^3 q^4 =$ _____

2) $\log_9 \left(\frac{\sqrt{m}}{n} \right) =$ _____

3)

Preview

4)

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5)

6)

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7) $\log_4 \sqrt[3]{r^2 s} =$ _____

8) $3 \log_9 \left(\frac{a}{b^3} \right) =$ _____

9) $\log_d (uv)^7 =$ _____