

# Evaluating Logarithms Using Product Rule

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Evaluate each expression.

1)  $\log_2 32 + \log_2 8$

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2)  $4 \log_7 49 + \log_7 343$

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3)  $\log_{12} 2 + \log_{12} 72$

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4)  $6 \log_8 2 + 9 \log_8 4$

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5)  $2 \log_4 16 + 3 \log_4 64$

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6)  $\log_3 27 + 2 \log_3 1$

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7)  $\log_9 81 + 4 \log_9 3$

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8)  $\log_6 36 + \log_6 216$

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