

# Logarithmic Equations

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Solve for x.

1)  $\log_{5x} 25 = 1$

2)  $\log_{4x} 2 = \frac{1}{3}$

3)

# Preview

5)

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7)

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9)  $\log_2 \left( \frac{1}{32} \right) = 5x$

10)  $\log_{x+5} (243) = 5$