Name:

Score :

Logarithm - Solve

L1ES4

Solve for x.

Example 1:

$$\log_4\left(\frac{1}{256}\right) = x$$

$$4^x = \frac{1}{256}$$

$$4^x - 4^{-4}$$

Example 2:

$$\log_8 x = 2$$

$$2^8 = x$$

$$x = 64$$

Solve for x.

1)
$$\log_2\left(\frac{1}{64}\right) = x$$

 $2) \log_4 x = 3$

x = (

PREVIEW

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

x = (

5) log_x 8 = 3

7) $\log_3 x = 4$

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X =

x = (

9) $\log_{81} x = \frac{1}{4}$

x = (

 $10) \log_3\left(\frac{1}{27}\right) = x$

x = (

Logarithm - Solve

L1ES4

Solve for x.

Example 1:

$$\frac{1}{\log_4 \left(\frac{1}{256}\right)} = x$$

$$4^x = \frac{1}{256}$$

$$4^x = 4^{-4}$$

Example 2:

$$\log_8 x = 2$$
$$2^8 = x$$
$$x = 64$$

Solve for x.

1)
$$\log_2\left(\frac{1}{64}\right) = x$$

 $\int 2) \log_4 x = 3$

x = (-6

PREVIEW

3) $\log_x 4 = \frac{1}{2}$

x = (16

5) $\log_{x} 8 = 3$

x = (2

7) $\log_3 x = 4$

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 $x = \begin{pmatrix} 81 \\ \end{pmatrix}$

x = (8

9) $\log_{81} x = \frac{1}{4}$

x = (3

 $10) \log_3\left(\frac{1}{27}\right) = x$

x = (-3