## **Logarithmic Equations**

Solve for x.

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

2)  $\log_{125} 25 = x$ 

3)

## Preview

5)

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9) 
$$\log_x 2^{-4} = -1$$

10) 
$$\log_x 5 = \frac{1}{2}$$