## **Logarithmic Equations**

Solve for x.

1) 
$$\log_{16} 256 = x$$

$$2) \quad \log_9\left(\frac{1}{3}\right) = x$$

3)

## Preview

5)

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7)

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9) 
$$\log_{x} 3^{-6} = -2$$

10) 
$$\log_3 x^{\frac{4}{5}} = 4$$