

Logarithmic Equations

Solve for x.

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

2) $\log_2 x = 7$

3) $\log_x 16 = 2$

4) $\log_{64} x = \frac{1}{6}$

5) $\log_4 \left(\frac{1}{64} \right) = x$

6) $\log_x 25 = 2$

7) $\log_3 x = 5$

8) $\log_2 \left(\frac{1}{512} \right) = x$

9) $\log_2 256 = x$

10) $\log_{10} x = 2$
