

Logarithmic Equations

Solve for x.

1) $\log_x 729 = 6$

2) $\log_8 2 = x$

3) $\log_6 216 = x$

4) $\log_x \left(\frac{1}{4}\right) = -2$

5) $\log_5 \left(\frac{1}{25}\right) = x$

6) $\log_7 x = 3$

7) $\log_{25} x = \frac{1}{2}$

8) $\log_x 100 = 2$

9) $\log_x 64 = 3$

10) $\log_5 x = 4$
