

Logarithmic Equations

Solve for x.

1) $\log_2 x = 9$

2) $\log_9 \left(\frac{1}{81} \right) = x$

3) $\log_{16} x = \frac{1}{2}$

4) $\log_3 x = 4$

5) $\log_3 27 = x$

6) $\log_x 32 = 5$

7) $\log_x 36 = 2$

8) $\log_4 256 = x$

9) $\log_4 x = 3$

10) $\log_2 \left(\frac{1}{32} \right) = x$
