

Name _____

Logarithms

Find the value of x using Logarithm.

1) $\log_2 x = 3 \rightarrow$ _____ $2^3 = 8$

2) $\log_3 x = 4 \rightarrow$ _____ $3^4 = 81$

3) $\log_5 x = 2 \rightarrow$ _____ $5^2 = 25$

4) $\log_7 x = 1 \rightarrow$ _____ $7^1 = 7$

5) $\log_{10} x = -1 \rightarrow$ _____ $10^{-1} = 0.1$

6) $\log_4 x = 3 \rightarrow$ _____ $4^3 = 64$

7) $\log_6 x = 0 \rightarrow$ _____ $6^0 = 1$

8) $\log_9 x = 2 \rightarrow$ _____ $9^2 = 81$

9) $\log_8 x = 3 \rightarrow$ _____ $8^3 = 512$

10) $\log_{10} x = 2 \rightarrow$ _____ $10^2 = 100$

11) $\log_2 x = -3 \rightarrow$ _____ $2^{-3} = 1/8$

12) $\log_5 x = -1 \rightarrow$ _____ $5^{-1} = 1/5$

13) $\log_7 x = 2 \rightarrow$ _____ $7^2 = 49$

14) $\log_{10} x = -1 \rightarrow$ _____ $10^{-1} = 0.01$

15) $\log_3 x = 4 \rightarrow$ _____ $3^4 = 81$