

Name _____

Logarithms

Convert the following expression in Logarithmic form.

1) $2^3 = 8 \rightarrow \underline{\log_2 8 = 3}$

2) $10^4 = 10000 \rightarrow \underline{\log_{10} 10000 = 4}$

3) $5^2 = 25 \rightarrow \underline{\log_5 25 = 2}$

4) $3^4 = 81 \rightarrow \underline{\log_3 81 = 4}$

5) $7^2 = 49 \rightarrow \underline{\log_7 49 = 2}$

6) $2^5 = 32 \rightarrow \underline{\log_2 32 = 5}$

7) $4^3 = 64 \rightarrow \underline{\log_4 64 = 3}$

8) $6^2 = 36 \rightarrow \underline{\log_6 36 = 2}$

9) $9^2 = 81 \rightarrow \underline{\log_9 81 = 2}$

10) $8^3 = 512 \rightarrow \underline{\log_8 512 = 3}$

11) $10^1 = 10 \rightarrow \underline{\log_{10} 10 = 1}$

12) $5^3 = 125 \rightarrow \underline{\log_5 125 = 3}$

13) $2^6 = 64 \rightarrow \underline{\log_2 64 = 6}$

14) $4^2 = 16 \rightarrow \underline{\log_4 16 = 2}$

15) $3^5 = 243 \rightarrow \underline{\log_3 243 = 5}$