Logarithm Worksheet

Warm-ups

$\log_2 8$ = _____

$\log_2 16$ = _____

$\log_9 81$ = _____

$\log_4 64$ = _____

Evaluate the following:

$\log 100$ = _____

$\log_4 2$ = _____

$\log_5 125$ = _____

$\log_8 64$ = _____

$\log_{11} 121$ = _____

$\log_3 27$ = _____

$\log_3 1/9$ = _____

$\log_6 36$ = _____

Log fun

Match the letter to the number to decode a fun math message!

T: $\log 10$ = __1__

N: $\log_9 81$ = _____

E: $\log_a a^{112}$ = _____

U: $\log_6 6^{\pi}$ = _____

X: $\log_2 32 + \log_3 27$ = _____

A: $\log_9 3$ = _____

G: $\log_5 125$ = _____

L: $\ln e - \log 10^5$ = _____

D: $\ln e^8 + \log \frac{1}{10}$ = _____

I: $\log_8 2$ = _____

P: $\ln e^{25}$ = _____

S: $\log_4 \frac{1}{64}$ = _____

O: $\log_3 \frac{1}{9}$ = _____

___	___	___	___	___	___	___	___
-4	-2	3	-3	π	2	7	-2

___	___	___	___	___	___	___	___	___	___	___	___
112	8	25	-2	2	112	2	1	1/3	½	-4	-3