

Quiz: Logarithmic Expressions

1 Write $4^4=256$ in logarithmic form.

2 Solve for x: $\log_6 x=2$

3 Using the properties of logs, write in expanded form: $\log_{10} xy/z^9$

4 Using the properties of logs, write in expanded:
 $\ln[(4x-5)(8x+5)]^6$

5 Using the properties of logs, write in expanded:
 $\ln(4x-36)(8x+24)^9$

6 Express as a single logarithm:
 $1/3[(5nx+\ln y)-8\ln z]$

7 Solve for x: $\log x=1/4\log 6561$

8 Given: $\ln 8=2.079$; $\ln 6=1.792$
Find: $\ln 6$

9 Given: $f(x)=8\log_5(8x-4)$
Find: $f(7)$

10 Calculate: $\log_8 200$

Circle # Correct	0	1	2	3	4	5	6	7	8	9	10
Percentage Score	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%