

NAME _____

Rewrite and Evaluate Logarithms

Rewrite each equation in logarithmic form.

1. $4^2 = 16$

2. $3^{-2} = \frac{1}{9}$

3. $9^3 = 729$

Rewrite each equation in exponential form.

4. $\log_5 25 = 2$

3. $\log_{64} 4 = \frac{1}{3}$

6. $\log_3 243 = 5$

Evaluate each logarithm.

7. $\log_2 16$

8. $\log 100$

9. $\ln 18$

10. $\log_8 8$

11. $\ln 7$

12. $\log_4 19$