

Exponents and Logarithms

Logarithms Quiz Review

1. Write $0.3^4 = 0.0081$ in logarithmic form.

2. Write $\log_3(\sqrt{3})^{10} = 5$ in exponential form.

Solve the following equations involving logarithms. Round your answers to three decimal places if you need to.

3. $\log_{64} 16 = x$

4. $\log_4 0.0625 = x$

5. $6^{-x} = 32$

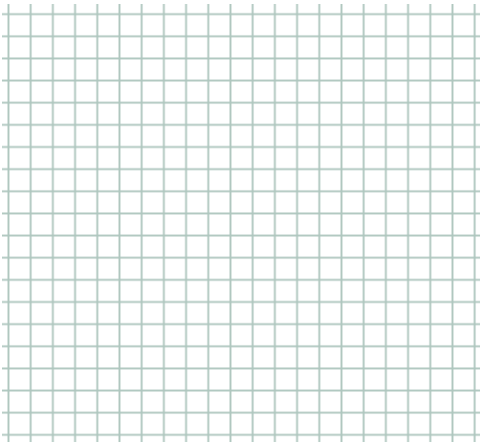
6. $5^x = 19$

7. $11.25 = e^{0.76t}$

8. $e^{5k} = 11$

Graph each equation or inequality. Show your tables.

9. $y < \log_3 x$



10. $y = \log_2(x - 3)$

