

Calculating Logarithms

Find the value of each logarithm.

1. $\log_2 16$

2. $\log_5 125$

3. $\log_7 7$

4. $\log_{36} 6$

5. $\log_4 \frac{1}{16}$

6. $\log_9 9^{27}$

7. $\log_\pi \pi$

8. $\log_{10} 10000$

9. $\log_4 \frac{1}{8}$

10. $\log_4 32$

11. $\log_{16} 8$