

Pre-Calculus

Rewrite expressions between exponential & logarithmic forms.

1. $\log_{16} 256 = 2$

2. $\log_9 81 = 2$

3. $\log_2 \left(\frac{1}{8}\right) = -3$

4. $\log_5 125 = 3$

5. $\log_{20} 400 = 2$

6. $\log_{17} 289 = 2$

7. $\log_{13} 169 = 2$

8. $\log_4 64 = 3$

9. $\log_9 \left(\frac{1}{81}\right) = -2$

10. $\log_{169} 13 = \frac{1}{2}$

11. $4^{\frac{1}{2}} = 2$

12. $3^5 = 243$

13. $14^{-2} = \frac{1}{196}$

14. $18^2 = 324$

15. $3^3 = 27$

16. $\left(\frac{1}{6}\right)^3 = \frac{1}{216}$

17. $15^2 = 225$

18. $36^{-\frac{1}{2}} = \frac{1}{6}$

19. $6^3 = 216$

20. $17^2 = 289$