MORE PRACTICE: Logarithms

Write each equation in logarithmic form:

1. $3^x = 27$

2. $64 = 4^x$

3. $5^p = w$

4. $300 = b^5$

5. $d = 10^t$

6. $7 = e^x$

Write each equation in exponential form:

7. $8 = \log_2 x$

8. $w = \log_4 11$

9. $a = \log_3 21$

10. $\log_6 t = 5$

11. $\log_{10} 8 = k$

12. $4 = \log_3 81$

Solve for x:

13. $16 = 4^x$

14. $x = 1.5^4$

15. $\log_5 x = 3$

16. $\log_3 27 = x$

17. $\log_4 4^3 = x$

18. $\log_3 \frac{1}{9} = x$

19. $\log_x 16 = \frac{1}{2}$

20. $\log_x 49 = 2$