

Log Equations

1. $\log_3 27 = x$
2. $\log_6 n = 2$
3. $\log_x 81 = 3$
4. $\log_x 64 = 2$
5. $\log_3(x+1) = 2$
6. $\log_5(2m+3) = -1$
7. $\log 65 + \log 3 = \log n$
8. $\log(2x-1) + \log(x+1) = \log 2$
9. $\log(n+1) + \log 5 = \log 30$
10. $\log_2(n+2) + \log_2 n = \log_2 3$
11. $\log_2 5 + \log_2 N = 3$
12. $\log_2 k + \log_2(k-2) = 3$
13. $\log 3 + \log(4-5x) + \log 2 = 0$
14. $\log 12 + \log(x+5) = \log(x+5)^2$
15. $\log n - \log(n-1) = \log 3$
16. $\log(a+1) - \log a = \log 6$
17. $\log_2 32 - \log_2 x = 1$
18. $\log a - \log(a-1) = 2$
19. $\log_3 5 - \log_3(x+1) = 0$
20. $\frac{1}{2} \log(x-1) = \log 5$
21. $\frac{1}{3} \log x + \frac{2}{3} \log x = \log 8$
22. $\log_6(x+3) + \log_6(x-2) = 1$
24. $2 \log(x+5) = \log 4$
25. $3 \log(n-2) = \log 8$
26. $\log x + \log 16 = \log 48$
27. $[\log 3 + \log x] - \log 5 = \log 2$
28. $3 \log_4 x - \log_4 x = 2$
29. $\log N = \frac{1}{2}[\log 3 - \log 15 - \log 7] - \frac{1}{3} \log 6$
30. $\log_6 x + \log_6 4 = 2$
31. $\log N = \log_3 6 + \log_4 12 - \log_2 9$
32. $\log_3(x^3 - 1) - \log_3(x - 1) = 1$
33. $\log_5 N = \frac{1}{4}[\log_5 5 - \log_5 3] + \frac{1}{3}[\log_5 2 + \log_5 7]$
34. $\log_3 5 = \log_2 N$