

Solving Logarithmic and Exponential Equations with Properties

1. $6^{4p-1} = 18$

2. $\ln(2x+4) = 3$

3. $\log_5 2 + \log_5 x = 3$

4. $9^{k-5} + 4 = 27$

5. $e^{4b} = 19$

6. ~~To check~~ $6^{2x+1} = 5^{4x-5}$

7. $\log_8 4x^4 - \log_8 2x^2 = 1$

8. $\log_2 x + \log_2(x+6) = 4$

9. $\log_4(x+4) + \log_4(x+64) = 4$

10. $7^{m+4} = 5^m$

11. $2^{k+8} = 10^{k-4}$

12. $\ln x^2 - \ln x = 2$

Solving Logarithmic and Exponential Equations

1. $\log_5 x = 3$

2. $5^{3w} = 38$

3. $12^{2k} + 3 = 100$

4. $\log_x 36 = 2$

5. $\log(3x+4) = 2$

6. $(\frac{1}{8})^f = 22$

7. $\log_4(2x+10) = 3$

8. $\log_6(4x+9) = \log_6(2x+19)$

9. $8 = 14^m$

10. $7 \cdot 20^{3b} + 500 = 1745$

11. $\log(8x+2) = \log(14)$

12. $6^x = 19$