

Worksheet Solving Log Equations #1

Solve for x.

1. $\log 2x + \log x = \log 98$

2. $\log 2x + \log 3x = \log 24$

3. $\log(x + 2) + 3\log 2 = \log 20$

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

5. $\log(x + 50) - \log 5 = \log 50$

6. $\log(x + 2) - \log 2 = \log 24$

7. $\log(x - 5) + \log 3 - \log 5 = \log 30$

8. $\log 2 + \log(x + 5) - \log 2 = \log 36$

9. $\log 4 + \log(2x - 3) = \log 15$

10. $2\log 6x - \log 3x = \log 36$

MORE ON BACK!!!!

11. $\log_7 x = -2$

12. $\log_6 x = 3$

13. $\log_x 64 = 6$

14. $\log_x 1000 = 3$

15. $\log_{10} x + \log_{10} x = -2$

16. $\log_2 x + \log_2 x = -3$