

Name _____ Hour _____

Unit 8 – Logs (Solving)

Solve each equation. Round answers to the nearest hundredth if necessary.

1. $2^x = 243$

2. $2 \log x = 4$

3. $\log x - \log 4 = 3$

4. $8^{n+1} = 3$

5. $4^x - 5 = 12$

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

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7. $2 \log x - \log 3 = 1$

8. $10^{2n-5} = 500$

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

10. $11^x - 50 = 12$

11. $\log 3x - \log 5 = 1$

12. $10^{n-2} = 0.3$