

Name: _____

Date: _____ Class: _____

Intro To Logs Assignment

Directions: Write each equation in exponential form.		
1. $\log_2 128 = 7$	2. $\log_8 64 = 2$	3. $\log_3 \frac{1}{27} = -3$
Directions: Write each equation in logarithmic form.		
4. $4^4 = 256$	5. $8^3 = 512$	6. $27^{\frac{2}{3}} = 9$
Directions: Evaluate each logarithm. Use the change of base formula when necessary.		
7. $\log_6 36$	8. $\log_2 32$	9. $\log_4 64$
10. $\log_3 81$	11. $\log_{100} 10$	12. $\log_7 \frac{1}{7}$
13. $\log_{18} 1$	14. $\log_{16} \frac{1}{2}$	15. $\log 1000$
16. $\log_{16} 8$	17. $\log_{243} 27$	18. $\log_3 92$
19. $\log_7 35$	20. $\log_2 260$	21. $\log_5 38$