Name _____ Date _____ Period _____

18.2 – Evaluating Logarithms

Evaluate each logarithm by writing an equation in exponent form.

1. $\log_3 243 = x$	2. $\log_4 64 = x$
3. $\log_2 16 = x$	4. $\log_7 1 = x$
5. $\log_2 64 = x$	6. $\log_6 36 = x$
7. $\log_3 9 = x$	8. $\log_3 27 = x$
9. $\log_5 25 = x$	10. $\log_7 7 = x$

11. $\log_2 8 = x$	12. $\log_6 216 = x$
13. $\log_6 1 = x$	14. $\log_7 49 = x$
15. $\log_4 16 = x$	16. $\log_2 4 = x$
17. $\log_2 32 = x$	18. $\log_7 343 = x$
19. $\log_5 125 = x$	20. $\log_3 81 = x$