Logs and Exponents Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Rewrite the equations and solve

1. 3x = 27 x =log3 27 log(27/log(3) x = 3

2. log2 32 = x 2x = 32 log(32)/log(2) x = 5

3. 4x = 20

4. log5 125 = x

5. 2x = 100

6. log6 300 = x

7. 3x = 90

8. log2 1000 = x

9. 2x = 10000

10. log4 200 = x

11. 7x = 523

12. log3 600 = x

13. 10x = 300

14. log 100 = x

15. 9x = 2193

16. log 180 = x

17. 10x = 567

18. log10 700 = x

19. 12x = 700

20. log5 150 = x

21. 2x = 256

22. 2x = 993

23. log2 2345 = x

24. 6x = 800