Algebra 2 NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Review for quiz -2014 DATE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Logarithms ch. 7 PERIOD \_\_\_\_\_\_\_\_\_\_

Without a calculator

1. log 100 2. Ln e

3. log 3 4. log3$\sqrt{27}$

5. log9$\frac{1}{81}$ 6. log3$\sqrt[3]{3}$

7. log255 8. log .1

9. lne2

Change each of the following into an exponential expression and solve

1. log327 2. log5√5 3. log1000 4.log232

5. log .1 6. log82

Solve for x- You may use a calculator

7. 3 x =31 8. 8 x =120

9. 5 x =300 10. 6 x =4

11. 3x=33 12. 22-x =84-x

13. 3ln5x=10 14. 2lnx=7