

Name: _____

Score: _____ /15

Worksheet 12 (Due Thurs, May 22)

Math 1060Q – Summer 2014

Professor Hohn

Three questions will be chosen randomly to be graded. You must show all of your work to receive full credit!

1. Evaluate $\log_2 16$.

2. Evaluate $\log_5 125$.

3. Evaluate $\log_7 7$.

4. Evaluate $\log_{36} 6$.

5. Evaluate $\log_4 \frac{1}{16}$.

6. Evaluate $\log_9 9^{27}$.

7. Evaluate $\log_e e$.

8. Evaluate $\log_{10} 10000$.

9. Evaluate $\log_4 \frac{1}{8}$.

10. Evaluate $\log_4 32$.

11. Evaluate $\log_{16} 8$.

12. Evaluate $\log_9 27$.

13. Suppose

$$\log_3 x = 2.$$

Solve for x .

14. Suppose

$$\log_5 x = 3.$$

Solve for x .

15. Suppose

$$\log_x 100 = 2.$$

Solve for x .

16. Suppose

$$\log_x 56 = 2.$$

Solve for x .