

Name: _____ Date: _____

Calculator Exercises Logarithms/ Answer Key

Use the logarithm and antilog functions on your calculator to compute the below.

The objective of this worksheet is not to teach you logarithms, but rather to give you practice calculating these on your calculator.

1. $\log 1.68$

Ans. 0.225

7. $\log 17,800$

Ans. 4.250

2. $\log (3.57 \times 10^4)$

Ans. 4.553

8. $\log 0.0067$

Ans. -2.17

3. $\log (2.18 \times 10^{-8})$

Ans. -7.662

9. $\log 0.0000738$

Ans. -4.132

4. antilog -8

Ans. 1×10^{-8}

10. antilog 6.281

Ans. 1.91×10^6

5. antilog 0.969

Ans. 9.31

11. antilog (-3.192)

Ans. -6.43×10^{-4}

6. antilog (-5 + 0.782)

Ans. 6.05×10^{-5}

12. antilog (-5.936)

Ans. 1.16×10^{-6}

Source:

Wilbraham, A.C., Staley, D.D., Matta, M.S., & Waterman, E.L. (2002). *Chemistry*. Upper

Saddle River, NJ: Prentice Hall, Inc.