

ALGEBRA 2

Wed., Jan. 10/Thurs., Jan. 20

Sec. 6.1 pp. 300-302
9-17 odd (Do not graph), 19-24, 37, 39, 40, 45

Exponential Functions Handout 1-6

Fri., Jan. 21/Mon., Jan. 24

Exponential Functions Handout 7-10

Sec. 6.2 pp. 307-308
5, 7, 9, 11, 41

Sec. 6.3 pp. 314-316
5, 10, 14, 15, 17-22, 33, 34, 35, 37, 40, 53a, 54a

Graphing Logs Handout

Tues., Jan. 25/Wed., Jan. 26

Solving Logarithmic Equations Handout

**NO HOMEWORK
COUPONS**

Thurs., Jan. 27/Fri., Jan. 28

Applications of Logarithms Handout

Power, Exponential & Logarithmic Regression Handout

Mon., Jan. 31/Tues., Feb. 1

Review Exponential & Logarithmic Functions

Start Regression Project

*Journal
Due*

Wed., Feb. 2/Thurs., Feb. 3

**EXPONENTIAL &
LOGARITHMIC
FUNCTIONS TEST**

ANSWERS

Sec. 6.1 pp. 300-302

20. $b = 5$

22. a) exponential growth

b) 3% increase

c) about 6 years after the start of the decade

24. a) $y = 325(0.71)^t$

b) about 3.4 h

40. $A \approx \$259.54$

Sec. 6.2 pp. 307-308

24. A; shows decay and has a y-intercept of 1

26. C; the graph shows growth and has a y-intercept of 0.75

Sec. 6.3 pp. 314-316

10. $3^{-1} = \frac{1}{3}$

14. $\log_5 \frac{1}{25} = -2$

18. 2

20. 0

22. -3

24. -3

34. a) 8 b) 3

40. $x + 1$

54a. 9