ALGEBRA 2

Fri., Jan. 26/Wed., Jan. 31

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

Exponential Functions Handout 1-6

Tues., Jan. 30/Fri., Feb. 2

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

Thurs., Feb. 1/Tues., Feb. 6

Solving Logarithmic Equations Handout

NO HOMEWORK COUPONS

Mon., Feb. 5/Thurs., Feb. 8

Applications of Logarithms Handout

Power, Exponential & Logarithmic Regression Handout

Wed., Feb. 7/Mon., Feb. 12

Review Exponential & Logarithmic Functions

Start Regression Project

Journal Due

Fri., Feb. 9/Wed., Feb. 14

EXPONENTIAL & LOGARITHMIC FUNCTIONS TEST

ANSWERS

<u>Sec. 6.1 pp. 300-302</u>
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. $A \approx \$259.54$

<u>Sec. 6.2 pp. 307-308</u>
24. A; shows decay and has a y-intercept of 1
26. C; the graph shows growth and ha a y-intercept of 0.75

<u>Sec. 6. 3 pp. 314-316</u>

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

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

18. 2
20. 0
22. -3
24. -3
34. a) 8 b) 3
40. $x + 1$
54a. 9