Section 4.1:

Exponential Functions: *(5)*

    Evaluate

    Graph

    Solve Equations

Common Base

Natural Base

Section 4.2:

Logarithmic Functions: *(5)*

    Evaluate

    Graph

    Solve Equations

Common Logarithm

Natural Logarithm

Write Inverse of a Function   *(2)*

NOTE: There will be a total of 25 problems

on the test. Each problem will be worth 4 points.

The numbers in parentheses indicate the number

of each type on the test. You will notice that Test 4

does not include material from Section 5.5. However,

it is quite possible that this material will be included on

the Final Exam.

Section 4.3:

Properties of Logarithms:

    Product Rule

    Quotient Rule

    Power Rule

    Inverse Properties

Write as a single logarithm   *(1)*

Write as a sum/diff of logs   *(2)*

Section 4.4:

More Equations   *(5)*

    Logarithmic Eqns.

    Exponential Eqns.

Section 5.1:

Solve 2 x 2 Systems   *(2)*
    Substitution

    Addition/Elimination

Application Problems   *(1)*

Section 5.2:

Solve 3 x 3 Systems   *(2)*

REVIEW PROBLEMS

Section 4.1 Exercises

Pp. 350-351: # 21-38, 63-78

Section 4.2 Exercises

Pp. 363-364: # 17-46, 59-86, 89-108

Section 4.3 Exercises

Pp. 376-377: # 5-26, 41-62

Section 4.4 Exercises

Pg. 388: # 5-52

Section 5.1 Exercises

Pp. 410-412: # 23-50, 63, 64, 78

Section 5.2 Exercises

Pp. 421-422: # 13-18, 43, 44