

MATH 101  
Test 3  
Sections 1.6, 4.1-4.4, 5.1-5.2

Section 1.6

Miscellaneous Equations: (5)

Factoring by Grouping  
Radical Equations  
Eqns. w/ Rational Exponents  
Substitution  
Absolute Value Equations

Section 4.1

Exponential Functions: (5)

Evaluate  
Graph  
Solve Equations

Common Base

Natural Base

Section 4.2

Logarithmic Functions: (4)

Evaluate  
Graph  
Solve Equations

Common Logarithm

Natural Logarithm

Write Inverse of a Function (1)

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 (1)

Section 4.4

More Equations (4)

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 (1)

MATH 101  
Test 3  
Sections 1.6, 4.1-4.4, 5.1-5.2

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.

ANOTHER NOTE: You will notice that Test 3 does not include material from Section 5.5. However, it is quite possible that this material will be included on the Final Exam.

REVIEW PROBLEMS

Section 1.6 Exercises

Pg. 156: # 1-82

Section 5.1 Exercises

Pg. 410: # 23-50, 63, 64, 78

Section 4.1 Exercises

Pg. 350: # 21-38, 63-78

Section 5.2 Exercises

Pg. 421: # 13-18

Section 4.2 Exercises

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

Section 4.3 Exercises

Pg. 376: # 5-26, 41-62

Section 4.4 Exercises

Pg. 388: # 5-52