

MATH 101

Test 2

Sections 1.3, 5.5, 6.1-6.6, 7.1-7.3

Sections 1.3 & 5.5

Application Problems: (5)
Integer Problems
Geometric Formula Problems
Mixture Problems
Motion Problems
Work Problems

Solve Formula for Specific Variable (1)

Sections 7.1, 7.2, & 7.3

Solving Quadratic Equations: (5)
Factoring
Root Property
Completing the Square
Quadratic Formula
Radical Equations
Rational Equations
Substitution

Write Quad. Eqn. given solns (1)

NOTE:

These problems are similar to the ones that you can expect on the test; however, they may not represent all of the types of problems on the test. Refer to your homework for additional problems.

Section 6.2

Simplifying: (2)
Fractional Exponents
Expressions with Variables

Sections 6.1, 6.3, & 6.4

Radicals: (4)
Simplify
Addition
Subtraction
Multiplication
Division
Rationalize the Denominator
Conjugate

Section 6.5

Miscellaneous Equations: (3)
Root Property
Radical Equations
Eqns. w/ Fractional Exponents

Section 6.6

Complex Numbers: (4)
Addition/Subtraction
Multiplication
Division
Conjugate

REVIEW PROBLEMS

Chapter 1 Review

Pp. 62-63: # 31, 39, 40

Chapter 1 Test

Pg. 66: # 22, 23, 25

Chapter 5 Test

Pp. 245-246: # 15, 16, 20, 21

Chapter 6 Test

Pp. 304-305: # 1-32

Chapter 7 Test

Pg. 362: # 4-13, 16, 17

Handout on Radicals & Rational Exponents

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.