MATH 101

Test 1

Sections 1.4-1.6, 2.1-2.3, 3.1-3.3, 5.3-5.4

Section 1.4 *(2)*
Inequalities
- Solve
- Graph
- Interval Notation

Section 1.5 *(2)*
Compound Inequalities
- And/Or
- Overlapping
- All or Nothing

Section 1.6
Absolute Value Equations *(2)*
Absolute Value Inequalities *(2)*

Section 2.1
Midpoint of a segment *(1)*
Length of a segment *(1)*

Section 2.2 *(2)*
Find Slope
- Given Graph
- Given 2 points
- Horizontal/Vertical Lines
- Parallel/Perpendicular Lines

Section 2.3
Write Equation of Line *(2)*
- Given slope and point
- Given two points
- Parallel/Perp to given line

Graphing Lines *(2)*
- Use slope & intercept
- Horizontal/Vertical Lines

Sections 3.1 and 3.2
Solve 2 x 2 Systems *(2)*
- Substitution
- Addition/Elimination

Application Problems *(1)*

Section 3.3 *(1)*
Solve 3 x 3 Systems

Section 5.3 *(2)*
Complex Fractions

Section 5.4 *(3)*
Equations w/ Rational Expressions:
- Extraneous Solns & Restrictions

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.

REVIEW PROBLEMS

Chapter 1 Review
- Pp. 63-64: # 41-64, 73-90

Chapter 2 Review
- Pp. 106-107: # 9-12, 15-48

Chapter 3 Review
- Pp. 141-142: # 7-32
- Word Problems from Homework

Chapter 5 Review
- Pg. 243: # 13-24

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.