MATH 203

Review for Test 1

Sections 1.1-1.5, 2.1-2.4

1. Solve problems by Working Backwards, Drawing a Picture, Making an Orderly List, and Eliminating the Possibilities
2. Find a pattern and continue a numerical sequence
3. Find a specified term and sum of an Arithmetic Sequence (Gauss' Trick)
4. Given Set-Builder Notation, be able to list the elements in a set
5. Understand the concepts of subsets, proper subsets, and number of subsets of a set
6. Understand the concepts of complement, intersection, union, and cardinality of sets
7. Shade a specified area of a Venn Diagram
8. Use a Venn Diagram to solve an application problem
9. Determine if a set is closed or not closed. If not closed, give a counterexample.
10. Be able to identify the properties of Whole Numbers - closure, commutative, associative, additive identity, multiplicative identity, multiplication by zero, and distributive.
11. Use the Measurement Model to illustrate Addition and Multiplication
12. Use the Repeated Subtraction Model to illustrate Division

REVIEW PROBLEMS

Section 1.1:	#1, 5	Section 2.1:	#3, 4, 7, 8, 12, 16, 17
Section 1.2:	#9	Section 2.2:	#18, 19, 21
Section 1.3:	#1, 2, 3 (& find sum)	Section 2.3:	#3, 4, 8, 9
Section 1.4:	#1	Section 2.4:	#1, 5, 7, 8, 16, 21
Section 1.5:	#8, 15		