Math 211, Exam TWO Review

Exam Two is an in-class exam, given Tuesday, Week 10 (see course schedule)

- For Exam TWO you should study your assigned homework, the examples in our text and the class activities we have done for Sections 3.1, 3.2, 3.3, 3.4, 4.1 and 4.2.
- Exam One will be some combination of short problem solving questions, multiple choice questions and true/false questions.
- You may use your calculator and your personal manipulative kit during the exam.
- You may not use a cell phone or any other electronic device during the exam.
- You may use one side of a 3" x 5" note card of notes for the exam (15 in^2).

CONCEPTS TO KNOW

Chapter Three Review Topics, page 209

- 1abcef
- 3(all)
  - Including converting base number collections to the total number of units or converting base number collections to the minimal collection
  - Including sketching and explaining addition and subtraction with base number pieces and connecting this work to the standard paper and pencil algorithm
- 4
  - Including writing story problems for each of the three subtraction settings
  - The three division models: Sharing (portative), Measurement (subtractive) and Array. For each division model you should be able to:
    - Sketch, label and explain base 10 pieces modeling the division setting
    - Group objects to show the division setting (sharing and measurement only)
    - Write a simple story problem that illustrates the division setting (sharing and measurement only)
- 5ab and 6bc
  - Including modeling multiplication with rectangular arrays and connecting this work to the standard paper and pencil algorithm and partial products
- 7
  - Including explaining whether or not a given set under a given operation is closed or not closed and why
  - Including explaining whether or not a given set under a given operation has a property such as commutative, associative, etc. and why
- 11

Chapter Four Review Topics, page 252

- 1
  - The concepts of factor, divisibility and multiple / how to write symbolically (i.e. a | b).
- 2
- 4
  - Divisibility tests for 2, 3, 4, 5, 6, 9 and 10, what they are and how to apply them
- 5abcdi
- 6
  - The concept of Least Common Multiple, what it means, how to compute it, how to apply it and its relationship to GCF
  - The concept of Greatest Common Factor, what it means, how to compute it, how to apply it and its relationship to LCM

REVIEW PROBLEMS

Practice Problems: Chapter Three Test, page 210-211 # 1 – 6, 10 - 13, 15, 17. 18

Practice Problems: Chapter Four Test, page 252-253 # 1 - 15

Your exam will cover all assigned homework & class activities! Just studying the Chapter Test questions will not be a sufficient review for Exam Two