

## Math 211, Exam ONE Review

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### ***Exam TWO is an in-class exam given on Tuesday, November 6, 2007***

- For Exam TWO you should study your assigned homework, the examples in our text and the class activities we have done in class for Sections 2.3, 3.1, 3.2 and 3.3.
- Exam Two is all short answer questions.
- You may use your calculator and your personal manipulative kit during the exam.
- You may not use a cell phone during the exam.
- You may use one side of a 3" x 5" note card of notes for the exam (15 in<sup>2</sup>).

### **CONCEPTS TO KNOW**

#### **Chapter Two Review Topics, page 117**

- 7abc and 8bc
  - Including sketching Venn Diagrams to support your work for these topics
  - Including writing the converse, the inverse and the contrapositive of a given conditional statement

#### **Chapter Three Review Topics, page 205**

- 1(all)
  - Including converting base 10 numbers to Babylonian, Mayan and Egyptian
  - Including writing numbers in expanded form
- 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
- 4e
  - Including writing story problems for each of the three subtraction settings
- 5ab and 6b
  - 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
- 9, 10
  - Including using each of the techniques explored on the in-class 3.2-3.3 mental calculations and estimations worksheet

### **REVIEW PROBLEMS**

**Practice Problems: Chapter Two Test, page 119** # 14 - 20

**Practice Problems: Chapter Three Test, page 206** # 1 – 11, 14abc, 15

***I will feel free to draw from all assigned homework & class activities! Just studying the Chapter Test questions will not be a sufficient review for Exam Two***