

Mathematics 1160 : Mathematics, A Human Endeavor

Topics for Exam 1

Spring 2010

You are responsible for all assigned readings (textbook chapter 1 and slide handouts), suggested homework, and topics covered in slides and lectures. Don't forget that you'll be allowed to use your summary workbook, and that you'll be turning it in along with the exam.

You should be familiar with and know the meaning of any terms in bold or in blue boxes in the text.

Reviewing the homework and slides, taking the Chapter Tests and the following list of topics may help you in your preparation for the exam.

Chapter 1 : Problem Solving:

- Inductive and Deductive Reasoning
- Number Patterns, method of successive differences
- Sum and Figurate Numbers Formulas
- Polya's Four-Step Process, Strategies for problem solving, applying the strategies
- Estimating (no calculator) and Reading/Interpreting Graphs