

REVIEW FOR MATH 2202 midterm, October 2009

Chapters covered from Bartle -Sherbert :
1, 2, part of 3

DEFINITIONS:

1. One to one, onto functions ; inverse images of functions; mathematical induction; finite, countable, uncountable sets.
2. Field axioms (negative; zero; identity; commutative, associative and distributive law); order axioms; absolute value; supremum and infimum; completeness;
3. Limit of a sequence; boundedness.

THEOREMS:

1. Well ordering property.
 2. Archimedean thm. and corollaries; density thm.; nested intervals thm.
 3. Uniqueness of limits of sequences; convergence and boundedness of sequences; theorem on operations on sequences and limits; squeeze theorem.
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