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designed to prepare students for the more abstract mathematics courses that follow calculus. This text introduces students to proof techniques and writing proofs of their own. As such, it is an introduction to the mathematics enterprise providing solid introductions to relations, functions, and cardinalities of sets.

Third Edition - WordPress.com

Third Edition Mathematical Proofs A Transition to Advanced Mathematics Gary Chartrand Western Michigan

University Albert D. Polimeni State University of New York at Fredonia Ping Zhang Western Michigan University Boston Columbus Indianapolis New York San Francisco Upper Saddle River Amsterdam Cape Town Dubai London Madrid Milan Munich Paris Montreal Toronto

Mathematical Proofs: A Transition to Advanced Mathematics ...

Mathematical Proofs: A Transition to Advanced Mathematics. As such, it is an introduction to the mathematics enterprise, providing solid introductions

to relations, functions, and cardinalities of sets. KEY TOPICS: Communicating Mathematics, Sets, Logic, Direct Proof and Proof by Contrapositive, More on Direct Proof and Proof by Contrapositive,...

(PDF) MATHEMATICAL PROOFS: A TRANSITION TO ADVANCED ...

proofs. A passing grade in this course indicates that a student should be able to read and write mathematics at a level necessary for more advanced courses in mathematics. In addition to various proof-

writing strategies, we will also discuss the basics of logic, set theory, number theory and real analysis. You are expected to learn this

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MTH 299-05

Lectures: TuTh

11:00am - 12:15pm My

Office: Boyd 502 Office

Hours: TuTh 2:00pm - 3:00pm, and by

appointment Course

text: Mathematical

Proofs: A Transition to

Advanced Mathematics

by Gary Chartrand,

Albert D. Polimeni and

Ping Zhang, 2nd edition.

The text is required, for instance because most of the homework problems will be assigned out of it.

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Mathematical Proofs: A

Transition to Advanced

Mathematics, Third

Edition, prepares

students for the more

abstract mathematics

courses that follow

calculus. Appropriate for

self-study or for use in

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introduces students to proof techniques, analyzing proofs, and writing proofs of their own.

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Description. Mathematical Proofs: A Transition to Advanced Mathematics, Second Edition, prepares students for the more abstract mathematics courses that follow calculus. This text introduces students to proof techniques and writing proofs of their own. As such, it is an introduction to the mathematics enterprise,... Transition to Higher Mathematics: Structure and Proof

Mathematical Proofs: A Transition to Advanced Mathematics, Third Edition (2012). The numbers in the parentheses refer to the corresponding problems in the Second Edition of the book, in case the numbers differ.

Mathematical Proofs: A Transition to Advanced Mathematics

Mathematical Proofs: A Transition to Advanced Mathematics, 4th Edition introduces students to proof techniques, analyzing proofs, and writing

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rst order logic and

mathematical induction, our objective is to move to more advanced classical mathematical structures and arguments as soon as the student has an adequate understanding of the logic under-lying mathematical proofs. 0.4. Advice to the Student Welcome to higher mathematics! If your exposure to University
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Mathematical proofs : a transition to advanced mathematics

Mathematical Proofs: A Transition to Advanced Mathematics, Third Edition, prepares students for the more

abstract mathematics courses that follow calculus. Appropriate for self-study or for use in the classroom, this text introduces students to proof techniques, analyzing proofs, and writing proofs of their own.

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