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The pages that follow contain "unofficial" solutions to problems appearing on the comprehensive exams in analysis given by the Mathematics Department at the University of Hawaii over the period from 1991 to 2007.

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Real Analysis and Multivariable Calculus: Graduate Level

1 Student Solutions Manual for Real Analysis and Foundations ... This Manual contains the solutions to selected exercises in the book Real Analysis and Foundations by Steven G. Krantz, hereinafter referred to as ... Notation and references as well as the results used to solve the problems are taken directly from the text. Steven G. Krantz St ...

1 Student Solutions Manual for

RealAnalysis Math 125A, Fall 2012 Sample Final Questions 1. Define $f : \mathbb{R} \rightarrow \mathbb{R}$ by $f(x) = x^3 + x^2$. Show that f is continuous on \mathbb{R} . Is f uniformly continuous on \mathbb{R} ? Solution. To simplify the inequalities a bit, we write $x^3 + x^2$

RealAnalysis Math 125A, Fall 2012 Sample Final Questions

Math 312, Intro. to Real Analysis: Final Exam: Solutions Stephen G. Simpson Friday, May 8, 2009 1. True or false (3 points each). (a) For all sequences of real numbers (s_n) we have $\liminf s_n \leq \limsup s_n$. True.

Math 312, Intro. to Real Analysis: Final Exam: Solutions

TO REAL ANALYSIS William F. Trench Andrew G. Cowles Distinguished Professor Emeritus Department of

Mathematics ... the solutions manual is not. The author reserves all rights to the manual. TO BEVERLY.
Contents ... treatment of real-valued functions before considering vector-valued functions. In making

INTRODUCTION TO REAL ANALYSIS - Trinity University

Thomson*Bruckner*Bruckner Elementary Real Analysis, 2nd Edition (2008) This version of Elementary Real Analysis, Second Edition, is a hypertexted pdf file, suitable for on-screen viewing.

Elementary Real Analysis

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4.1 Introduction 158 4.2 Points 159 4.2.1 Interior Points 159

ELEMENTARY REAL ANALYSIS - Politechnika Wrocławska

1 CONTINUITY 1 Continuity Problem 1.1 Let r_n be the sequence of rational numbers and $f(x) = \sum_{n=1}^{\infty} f_n(x)$ 1
2n Prove that 1. f is continuous on the irrationals. 2. f is discontinuous on the rationals. 3.

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