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LF5KUP - DANIEL HUDSON

The new edition of BEGINNING & INTERMEDIATE ALGEBRA is an exciting and innovative revision that takes an already successful text and makes it more compelling for today's instructor and student. The authors have developed a learning plan to help students succeed and transition to the next level in their coursework. Based on their years of experience in developmental education, the accessible approach builds upon the book's known clear writing and engaging style which teaches students to develop problem-solving skills and strategies that they can use in their everyday lives. The authors have developed an acute awareness of students' approach to homework and present a learning plan keyed to Learning Objectives and supported by a comprehensive range of exercise sets that reinforces the material that students have learned setting the stage for their success. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Intended for combined introductory and

intermediate algebra courses, this text retains the hallmark features that have made the Aufmann texts market leaders: an interactive approach in an objective-based framework: a clear writing style, and an emphasis on problem-solving strategies. The acclaimed Aufmann Interactive Method, allows students to try a skill as it is introduced with matched-pair examples, offering students immediate feedback, reinforcing the concept, identifying problem areas, and, overall, promoting student success. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

This book reviews math topics relevant to non-mathematics students and scientists, but which they may not have seen or studied for a while. These math issues can range from reading mathematical symbols, to using complex numbers, dealing with equations involved in calculating medication equivalents, the General Linear Model (GLM) used in e.g. neuroimaging analysis, finding the minimum of a function, independent component analysis, or filtering approaches. Almost ev-

ery student or scientist, will at some point run into mathematical formulas or ideas in scientific papers that may be hard to understand, given that formal math education may be some years ago. In this book we will explain the theory behind many of these mathematical ideas and expressions and provide readers with the tools to better understand them. We will revisit high school mathematics and extend and relate this to the mathematics you need to understand the math you may encounter in the course of your research. This book will help you understand the math and formulas in the scientific papers you read. To achieve this goal, each chapter mixes theory with practical pen-and-paper exercises such that you (re)gain experience with solving math problems yourself. Mnemonics will be taught whenever possible. To clarify the math and help readers apply it, each chapter provides real-world and scientific examples.

Numerical Methods for Engineers and Scientists, 3rd Edition provides engineers with a more concise treatment of the essential topics of numerical methods while emphasizing MATLAB use. The third edition includes a new chapter, with all new content, on Fourier Transform and a new chapter on Eigenvalues (compiled from existing Second Edition content). The focus is placed on the use of anonymous functions instead of inline functions and the uses of subfunctions and nested functions. This updated edition includes 50% new or updated Homework Problems, updated examples, helping engineers test their understanding and reinforce key concepts.

As in previous editions, the focus in INTERMEDIATE ALGEBRA remains on the Aufmann Interactive Method (AIM). Students are encouraged to be active partici-

pants in the classroom and in their own studies as they work through the How To examples and the paired Examples and You Try It problems. Student engagement is crucial to success. Presenting students with worked examples, and then providing them with the opportunity to immediately solve similar problems, helps them build their confidence and eventually master the concepts. Simplicity is key in the organization of this edition, as in all other editions. All lessons, exercise sets, tests, and supplements are organized around a carefully constructed hierarchy of objectives. Each exercise mirrors a preceding objective, which helps to reinforce key concepts and promote skill building. This clear, objective-based approach allows students to organize their thoughts around the content, and supports instructors as they work to design syllabi, lesson plans, and other administrative documents. New features like Focus on Success, Apply the Concept, and Concept Check add an increased emphasis on study skills and conceptual understanding to strengthen the foundation of student success. The Ninth Edition also features a new design, enhancing the Aufmann Interactive Method and making the pages easier for both students and instructors to follow. Available with InfoTrac Student Collections <http://gocengage.com/infotrac>. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Mathematics of Computing -- General.

For students in industrial and systems engineering (ISE) and operations research (OR) to understand optimization at an advanced level, they must first grasp the analysis of algorithms, computational complexity, and other concepts and modern developments in numerical methods.

Satisfying this prerequisite, Numerical Methods and Optimization: An Intro INTERMEDIATE ALGEBRA: CONNECTING CONCEPTS THROUGH APPLICATIONS shows students how to apply traditional mathematical skills in real-world contexts. The emphasis on skill building and applications engages students as they master concepts, problem solving, and communication skills. It modifies the rule of four, integrating algebraic techniques, graphing, the use of data in tables, and writing sentences to communicate solutions to application problems. The authors have developed several key ideas to make concepts real and vivid for students. First, the authors integrate applications, drawing on real-world data to show students why they need to know and how to apply math. The applications help students develop the skills needed to explain the meaning of answers in the context of the application. Second, they emphasize strong algebra skills. These skills support the applications and enhance student comprehension. Third, the authors use an eyeball best-fit approach to modeling. Doing models by hand helps students focus on the characteristics of each function type. Fourth, the text underscores the importance of graphs and graphing. Students learn graphing by hand, while the graphing calculator is used to display real-life data problems. In short, INTERMEDIATE ALGEBRA: CONNECTING CONCEPTS THROUGH APPLICATIONS takes an application-driven approach to algebra, using appropriate calculator technology as students master algebraic concepts and skills. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

The search for symmetry is part of the

fundamental scientific paradigm in mathematics and physics. Can this be valid also for economics? This book represents an attempt to explore this possibility. The behavior of price-taking producers, monopolists, monopsonists, sectoral market equilibria, behavior under risk and uncertainty, and two-person zero- and non-zero-sum games are analyzed and discussed under the unifying structure called the linear complementarity problem. Furthermore, the equilibrium problem allows for the relaxation of often-stated but unnecessary assumptions. This unifying approach offers the advantage of a better understanding of the structure of economic models. It also introduces the simplest and most elegant algorithm for solving a wide class of problems.

Based on years of experience teaching and writing supplemental materials for more traditional precalculus books, Reva Narasimhan takes a functions-focused approach to teaching and learning algebra and trigonometry concepts. This new series builds up relevant concepts using functions as a unifying theme, repeating and expanding on connections to basic functions. Visualization and analysis motivate the functions-based approach, enabling users to better retain the material for use in later calculus courses.

This book presents modern approaches to improving the energy efficiency, safety and environmental performance of industrial processes and products, based on the application of advanced trends in Green Information Technologies (IT) Engineering to components, networks and complex systems (software, programmable and hardware components, communications, Cloud and IoT-based systems, as well as IT infrastructures). The book's 16 chapters, prepared by authors from Greece, Malaysia, Russia, Slo-

vakia, Ukraine and the United Kingdom, are grouped into four sections: (1) The Green Internet of Things, Cloud Computing and Data Mining, (2) Green Mobile and Embedded Control Systems, (3) Green Logic and FPGA Design, and (4) Green IT for Industry and Smart Grids. The book will motivate researchers and engineers from different IT domains to develop, implement and propagate green values in complex systems. Further, it will benefit all scientists and graduate students pursuing research in computer science with a focus on green IT engineering.

Solve for 'X' with this practical and easy guide to everything algebra A solid understanding of algebra is the key to unlocking other areas of math and science that rely on the concepts and skills that happen in a foundational Algebra class. Algebra I All-In-One For Dummies is the key! With it, you'll get everything you need to solve the mystery of Algebra I. This book proves that algebra is for everyone with straightforward, unit-based instruction, hundreds of examples and practice problems, and two quizzes for every chapter - one in the book and another (totally different!) online. From graph and word problems to the FOIL method and common algebra terminology, Algebra I All-In-One For Dummies walks you step-by-step through ALL the concepts you need to know to slay your Algebra I class. In this handy guide, you'll also: Receive instruction and tips on how to handle basic and intermediate algebraic tasks such as factoring and equation simplification Banish math anxiety forever by developing an intuitive understanding of how algebra works Get a handle on graphing problems and functions, as well as inequalities and word problems Algebra I All-In-One For Dummies is a must-read for Algebra students

looking for an everything-in-one-book supplement to their coursework, as well as anyone hoping to brush up on their math before tackling a related subject, such as physics, chemistry, or a more advanced math topic.

Algebra can be like a foreign language, but ELEMENTARY AND INTERMEDIATE ALGEBRA, 5E, gives you the tools and practice you need to fully understand the language of algebra and the why behind problem solving. Using Strategy and Why explanations in worked examples and a six-step problem solving strategy, ELEMENTARY AND INTERMEDIATE ALGEBRA, 5E, will guide you through an integrated learning process that will expand your reasoning abilities as it teaches you how to read, write, and think mathematically. Feel confident about your skills through additional practice in the text and Enhanced WebAssign. With ELEMENTARY AND INTERMEDIATE ALGEBRA, 5E, algebra will make sense because it is not just about the x...it's also about the WHY. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

MATLAB: A Practical Introduction to Programming and Problem Solving discusses the basic programming concepts and skills needed for problem solving using MATLAB software. It is the only book that gives a full introduction to programming in MATLAB combined with an explanation of MATLAB's powerful functions. The book differs from other texts in that it teaches programming concepts and the use of the built-in functions in MATLAB simultaneously. It presents programming concepts and MATLAB built-in functions side-by-side, giving students the ability to program efficiently and exploit the power of MATLAB to solve problems. The

systematic, step-by-step approach, building on concepts throughout the book, facilitates easier learning. Starting with basic programming concepts, such as variables, assignments, input/output, selection, and loop statements, problems are introduced and solved throughout the book. The book is organized into two parts. Part I covers the programming constructs and demonstrates programming versus efficient use of built-in functions to solve problems. Part II describes the applications, including plotting, image processing, and mathematics, needed in basic problem solving. The chapters feature sections called "Quick Question!" as well as practice problems designed to test knowledge about the material covered. Problems are solved using both "The Programming Concept" and "The Efficient Method," which facilitates understanding the efficient ways of using MATLAB, and also the programming concepts used in these efficient functions and operators. There are also sections on 'common pitfalls' and 'programming guidelines' that direct students towards best practice. This book is ideal for engineers learning to program and model in MATLAB, as well as undergraduates in engineering and science taking a course on MATLAB. * Presents programming concepts and MATLAB built-in functions side-by-side, giving students the ability to program efficiently and exploit the power of MATLAB to solve problems. * In depth coverage of file input/output, a topic essential for many engineering applications * Systematic, step-by-step approach, building on concepts throughout the book, facilitating easier learning * Sections on 'common pitfalls' and 'programming guidelines' direct students towards best practice

Providing a solid foundation for twenty-first-century scientists and engineers,

Data Analysis and Statistics for Geography, Environmental Science, and Engineering guides readers in learning quantitative methodology, including how to implement data analysis methods using open-source software. Given the importance of interdisciplinary work in sustain As in previous editions, the focus in ALGEBRA: INTRODUCTORY & INTERMEDIATE remains on the Aufmann Interactive Method (AIM). Students are encouraged to be active participants in the classroom and in their own studies as they work through the How To examples and the paired Examples and You Try It problems. Student engagement is crucial to success. Presenting students with worked examples, and then providing them with the opportunity to immediately solve similar problems, helps them build their confidence and eventually master the concepts. Simplicity is key in the organization of this edition, as in all other editions. All lessons, exercise sets, tests, and supplements are organized around a carefully constructed hierarchy of objectives. Each exercise mirrors a preceding objective, which helps to reinforce key concepts and promote skill building. This clear, objective-based approach allows students to organize their thoughts around the content, and supports instructors as they work to design syllabi, lesson plans, and other administrative documents. New features like Focus on Success, Apply the Concept, and Concept Check add an increased emphasis on study skills and conceptual understanding to strengthen the foundation of student success. The Sixth Edition also features a new design, enhancing the Aufmann Interactive Method and making the pages easier for both students and instructors to follow. Available with InfoTrac Student Collections <http://gocengage.com/infotrac>. Impor-

tant Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Help your students succeed with classroom-ready, standards-based activities. The Algebra Teacher's Activities Kit: 150 Activities That Support Algebra in the Common Core Math Standards helps you bring the standards into your algebra classroom with a range of engaging activities that reinforce fundamental algebra skills. This newly updated second edition is formatted for easy implementation, with teaching notes and answers followed by reproducibles for activities covering the algebra standards for grades 6 through 12. Coverage includes whole numbers, variables, equations, inequalities, graphing, polynomials, factoring, logarithmic functions, statistics, and more, and gives you the material you need to reach students of various abilities and learning styles. Many of these activities are self-correcting, adding interest for students and saving you time. This book provides dozens of activities that Directly address each Common Core algebra standard. Engage students and get them excited about math. Are tailored to a diverse range of levels and abilities. Reinforce fundamental skills and demonstrate everyday relevance. Algebra lays the groundwork for every math class that comes after it, so it's crucial that students master the material and gain confidence in their abilities. The Algebra Teacher's Activities Kit helps you face the challenge, well-armed with effective activities that help students become successful in algebra class and beyond.

Market-leading FINITE MATHEMATICS FOR THE MANAGERIAL, LIFE, AND SOCIAL SCIENCES, Twelfth Edition, balances contemporary applications, solid pedagogy,

and the latest technology to provide students with content that motivates and keeps them interested in the course. Praised by users for its clarity, easy-to-follow writing style, and excellent applications, the text's pedagogical features and exciting array of supplements equip students with the tools they need to make the most of their study time and succeed in the course. Using an intuitive approach, the text introduces mathematical concepts through real-life examples that students can relate to, and offers a clear and concise discussion of the mathematics involved, with numerous examples and applications that illustrate those concepts. Emphasis is placed on helping students formulate, solve, and interpret results of applied problems. Graphs and illustrations are used to help students visualize the concepts being presented. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

COLLEGE ALGEBRA AND CALCULUS: AN APPLIED APPROACH, Second Edition provides your students a comprehensive resource for their college algebra and applied calculus courses. The mathematical concepts and applications are consistently presented in the same tone and pedagogy to promote confidence and a smooth transition from one course to the next. The consolidation of content for two courses in a single text saves you time in your course--and saves your students the cost of an extra textbook. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Operations Research (OR) began as an interdisciplinary activity to solve complex military problems during World War II. Utilizing principles from mathematics, en-

gineering, business, computer science, economics, and statistics, OR has developed into a full fledged academic discipline with practical application in business, industry, government and military. Currently regarded as a body of established mathematical models and methods essential to solving complicated management issues, OR provides quantitative analysis of problems from which managers can make objective decisions. Operations Research and Management Science (OR/MS) methodologies continue to flourish in numerous decision making fields. Featuring a mix of international authors, Operations Research and Management Science Handbook combines OR/MS models, methods, and applications into one comprehensive, yet concise volume. The first resource to reach for when confronting OR/MS difficulties, this text - Provides a single source guide in OR/MS Bridges theory and practice Covers all topics relevant to OR/MS Offers a quick reference guide for students, researchers and practitioners Contains unified and up-to-date coverage designed and edited with non-experts in mind Discusses software availability for all OR/MS techniques Includes contributions from a mix of domestic and international experts The 26 chapters in the handbook are divided into two parts. Part I contains 14 chapters that cover the fundamental OR/MS models and methods. Each chapter gives an overview of a particular OR/MS model, its solution methods and illustrates successful applications. Part II of the handbook contains 11 chapters discussing the OR/MS applications in specific areas. They include airlines, e-commerce, energy systems, finance, military, production systems, project management, quality control, reliability, supply chain management and water resources. Part II ends

with a chapter on the future of OR/MS applications.

Larson's PRECALCULUS WITH LIMITS is known for delivering the same sound, consistently structured explanations and exercises of mathematical concepts as the market-leading PRECALCULUS, with a laser focus on preparing students for calculus. In LIMITS, the author includes a brief algebra review of core precalculus topics along with coverage of analytic geometry in three dimensions and an introduction to concepts covered in calculus. With the Fourth Edition, Larson continues to revolutionize the way students learn material by incorporating more real-world applications, ongoing review, and innovative technology. How Do You See It? exercises give students practice applying the concepts, and new Summarize features, and Checkpoint problems reinforce understanding of the skill sets to help students better prepare for tests. The companion website Larson-Precalculus.com offers free access to multiple tools and resources to supplement students' learning. Stepped-out solution videos with instruction are available at CalcView.com for selected exercises throughout the text. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Given the importance of interdisciplinary work in sustainability, Simulation of Ecological and Environmental Models introduces the theory and practice of modeling and simulation as applied in a variety of disciplines that deal with earth systems, the environment, ecology, and human-nature interactions. Based on the author's many years of teaching g A single source guide to operations research (OR) techniques, this book covers

emerging OR methodologies in a clear, concise, and unified manner. Building a bridge between theory and practice, it begins with coverage of fundamental models and methods such as linear, non-linear, integer, and dynamic programming, networks, simulation, queuing, inventory, stochastic processes, and decision analysis. The book then explores emerging techniques including multiple criteria optimization, meta heuristics, robust optimization, and complexity and large scale networks. Each chapter gives an overview of a particular methodology, illustrates successful applications, and provides references to computer software availability.

The new edition of INTERMEDIATE ALGEBRA is an exciting and innovative revision that takes an already successful text and makes it more compelling for today's instructor and student. The authors have developed a learning plan to help students succeed in Intermediate Algebra and transition to the next level in their coursework. Based on their years of experience in developmental education, the accessible approach builds upon the book's known clear writing and engaging style which teaches students to develop problem-solving skills and strategies that they can use in their everyday lives. The authors have developed an acute awareness of students' approach to homework and present a learning plan keyed to Learning Objectives and supported by a comprehensive range of exercise sets that reinforces the material that students have learned setting the stage for their success. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

"Elementary Algebra is designed to meet the scope and sequence requirements of

a one-semester elementary algebra course. The book's organization makes it easy to adapt to a variety of course syllabi. The text expands on the fundamental concepts of algebra while addressing the needs of students with diverse backgrounds and learning styles. Each topic builds upon previously developed material to demonstrate the cohesiveness and structure of mathematics."--Open Textbook Library.

Cynthia Young's Algebra and Trigonometry, Fifth Edition allows students to take the guesswork out of studying by providing them with an easy to read and clear roadmap: what to do, how to do it, and whether they did it right. With this revision, Cynthia Young revised the text with a focus on the most difficult topics in Trigonometry, with a goal to bring more clarity to those learning objectives. Algebra and Trigonometry, Fifth Edition is written in a voice that speaks to students and mirrors how instructors communicate in lecture. Young's hallmark pedagogy enables students to become independent, successful learners. Key features like "Parallel Words and Math" and "Catch the Mistake" exercises are taken directly from classroom experience and keeps the learning fresh and motivating. Cynthia Young's College Algebra, 5th Edition helps students take the guesswork out of studying by offering them an easy to read and clear roadmap that tells them what to do, how to do it, and whether they did it right. With this revision, Cynthia Young focuses on the most challenging topics in college algebra, bringing clarity to those learning objectives. College Algebra, Fifth Edition is written in a voice that speaks to students and mirrors how effective instructors communicate in lecture. Young's hallmark pedagogy enables students to become independent, successful learn-

ers. Key features like "Parallel Words and Math" and "Catch the Mistake" exercises are taken directly from classroom experience and keep the learning fresh and motivating.

MATHEMATICAL APPLICATIONS FOR THE MANAGEMENT, LIFE, AND SOCIAL SCIENCES, 10th Edition, is intended for a two-semester applied calculus or combined finite mathematics and applied calculus course. The book's concept-based approach, multiple presentation methods, and interesting and relevant applications keep students who typically take the course--business, economics, life sciences, and social sciences majors--engaged in the material. This edition broadens the book's real-life context by adding a number of environmental science and economic applications. The use of modeling has been expanded, with modeling problems now clearly labeled in the examples. Also included in the Tenth Edition is a brief review of algebra to prepare students with different backgrounds for the material in later chapters. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Offering a uniquely modern, balanced approach, Tussy/Koenig's INTRODUCTORY ALGEBRA, Fifth Edition, integrates the best of traditional drill and practice with the best elements of the reform movement. To many developmental math students, algebra is like a foreign language. They have difficulty translating the words, their meanings, and how they apply to problem solving. Emphasizing the "language of algebra," the text's fully integrated learning process is designed to expand students' reasoning abilities and teach them how to read, write, and think mathematically. It blends instructional

approaches that include vocabulary, practice, and well-defined pedagogy with an emphasis on reasoning, modeling, communication, and technology skills. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

"The text is suitable for a typical introductory algebra course, and was developed to be used flexibly. While the breadth of topics may go beyond what an instructor would cover, the modular approach and the richness of content ensures that the book meets the needs of a variety of programs."--Page 1.

A traditional book with a modern feel, market-leading APPLIED MATHEMATICS FOR THE MANAGERIAL, LIFE, AND SOCIAL SCIENCES, Sixth Edition, teaches by application and uses real-world examples to motivate students. It combines solid theory with innovative technology, includes a robust supplement package, and offers unmatched flexibility that caters to both traditional and modern practitioners. Accessible for majors and non-majors alike, the new Sixth Edition utilizes an intuitive approach that marries real-life instances to what would otherwise be abstract concepts. This is the focus of new and insightful Portfolios, which highlight the careers of real people and discuss how they use math in their professions. Numerous exercises ensure that students have a solid understanding of concepts before advancing to the next topic. By offering a powerful array of supplements such as Enhanced WebAssign, the new Sixth Edition enables students to maximize their study time and succeed in class. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Barnett, Ziegler, Byleen, and Sobecki's *College Algebra with Trigonometry* text is designed to be user friendly and to maximize student comprehension by emphasizing computational skills, ideas, and problem solving as opposed to mathematical theory. The large number of pedagogical devices employed in this text will guide a student through the course. Integrated throughout the text, students and instructors will find Explore-Discuss boxes which encourage students to think critically about mathematical concepts. In each section, the worked examples are followed by matched problems that reinforce the concept being taught. In addition, the text contains an abundance of exercises and applications that will convince students that math is useful. A MathZone site featuring algorithmic exercises, videos, and other resources accompanies the text.

Master the fundamentals of algebra with Kaufmann and Schwitters' *ELEMENTARY AND INTERMEDIATE ALGEBRA: A COMBINED APPROACH*, Sixth Edition. Learn from clear and concise explanations, many examples, and numerous problem sets in an easy-to-read format. The book's Learn, Use and Apply formula helps you learn a skill, use the skill to solve equations, and then apply it to solve application problems. This simple, straightforward approach helps you understand and apply the key problem-solving skills necessary for success in algebra and beyond. Access to Enhanced WebAssign and the Cengage YouBook is sold separately. To learn more and find value bundles, visit: www.cengagebrain.com and search for ISBN: 0840053142. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Intended for developmental math courses in intermediate algebra, this text retains the hallmark features that have made the Aufmann texts market leaders: an interactive approach in an objective-based framework: a clear writing style, and an emphasis on problem-solving strategies. The acclaimed Aufmann Interactive Method, allows students to try a skill as it is introduced with matched-pair examples, offering students immediate feedback, reinforcing the concept, identifying problem areas, and, overall, promoting student success. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

The Enhanced Edition of Swokowski and Cole's *PRECALCULUS: FUNCTIONS AND GRAPHS* retains the elements in the Twelfth Edition that have made it so popular with instructors and students alike: clear exposition, an appealing and uncluttered layout, and applications-rich exercise sets. It features an additional chapter on Limits (Chapter 11) and an Appendix V that includes proofs related to this new chapter. The excellent, time-tested problems have been widely praised for their consistency and their appropriate level of difficulty for precalculus students. The book also provides calculator examples, including specific keystrokes that show students how to use various graphing calculators to solve problems more quickly. This Enhanced Edition features updated topical references and data and continues to be supported by outstanding technology resources. Mathematically sound, this book effectively prepares students for further courses in mathematics. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

sion.

A supportive and intuitive introduction to precalculus In the newly revised fourth edition of *Precalculus*, veteran math educator Cynthia Y. Young delivers an intuitive and supportive text for students of precalculus that doesn't sacrifice the rigor they need to gain a true conceptual understanding of calculus. In the book, students will bridge the gap between in-class work and homework by relying on material that mirrors the instructor voice outside the classroom through innovative pedagogical features. This e-book version of *Precalculus* seamlessly aligns with how real teachers actually teach and fully supports student learning.

The latest edition of Swokowski and Cole's *PRECALCULUS: FUNCTIONS AND GRAPHS* retains the elements that have

made it so popular with instructors and students alike: clear exposition, an appealing and uncluttered layout, and applications-rich exercise sets. The excellent, time-tested problems have been widely praised for their consistency and their appropriate level of difficulty for precalculus students. The book also provides calculator examples, including specific keystrokes that show students how to use various graphing calculators to solve problems more quickly. The Twelfth Edition features updated topical references and data, and continues to be supported by outstanding technology resources. Mathematically sound, this book effectively prepares students for further courses in mathematics. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.