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ALERT: The Legacy WileyPLUS platform retires on July 31, 2021 which means the materials for this course will be invalid and unusable. If you were directed to purchase this product for a course that runs after July 31, 2021, please contact your instructor immediately for clarification. This package includes a three-hole punched, loose-leaf edition of ISBN 9781119138532 and a registration code for the WileyPLUS course associated with the text. Before you purchase, check with your instructor or review your course syllabus to ensure that your instructor requires WileyPLUS. For customer technical support, please visit <http://www.wileyplus.com/support>. WileyPLUS registration cards are only included with new products. Used and rental products may not include WileyPLUS registration cards. Calculus: Single and Multivariable, 7th Edition continues the effort to promote courses in which understanding and computation reinforce each other. The 7th Edition reflects the many voices of users at research universities, four-year colleges, community colleges, and secondary schools. This new edition has been streamlined to create a flexible approach to both theory and modeling. The program includes a variety of problems and examples from the physical, health, and biological sciences, engineering and economics; emphasizing the connection between calculus and other fields.

Modern software tools like Maple have the potential to alter radically the way mathematics is taught, learned, and done. Bringing such tools into the classroom during lectures, assignments, and examinations means that new ways of looking at mathematics can become permanent fixtures of the curriculum. It is universal access that will make a software-based approach to mathematics become the norm. In 1988, with NSF funding under an III grant, I had the opportunity to bring Maple into the calculus classroom at Rose-Hulman Institute of Technology. Since then a new curriculum based on the availability of computer algebra systems has evolved at RHIT and in my own courses. This volume contains a record of some of the insights gained into pedagogy using Maple in calculus. The activities and ideas captured in these Maple worksheets reflect concepts in calculus implemented in Maple. There is an overt message to the reader that carries with it a side effect. However, it is possible that for one reader the side effect is the message and the message is the side effect! I had intended to put before my audience examples extracted from my Maple based curriculum to entice a wider acceptance of the benefits of making a computer algebra system become the basis of a revised calculus syllabus. By examples I had hoped to demonstrate the "rightness" of using software tools for teaching and learning calculus.

NOTE: This edition features the same content as the traditional text in a convenient, three-hole-punched, loose-leaf version. Books a la Carte also offer a great value; this format costs significantly less than a new textbook. Before purchasing, check with your instructor or review your course syllabus to ensure that you select the correct ISBN. For Books a la Carte editions that include MyLab(tm) or Mastering(tm), several versions may exist for each title-including customized versions for individual schools-and registrations are not transferable. In addition, you may need a Course ID, provided by your instructor, to register for and use MyLab or Mastering platforms. For 3- to 4-semester courses covering single-variable and multivariable calculus, taken by students of mathematics, engineering, natural sciences, or economics. The most successful new calculus text in the last two decades The much-anticipated 3rd Edition of Briggs' Calculus Series retains its hallmark features while introducing important advances and refinements. Briggs, Cochran, Gillett, and Schulz build from a foundation of meticulously crafted exercise sets, then draw students into the narrative through writing that reflects the voice of the instructor. Examples are stepped out and thoughtfully annotated, and figures are designed to teach rather than simply supplement the narrative. The groundbreaking eBook contains approximately 700 Interactive Figures that can be manipulated to shed light on key concepts. For the 3rd Edition, the authors synthesized feedback on the text and MyLab(tm) Math content from over 140 instructors and an Engineering Review Panel. This thorough and extensive review process, paired with the authors' own teaching experiences, helped create a text that was designed for today's calculus instructors and students. Also available with MyLab Math MyLab Math is the teaching and learning platform that empowers instructors to reach every student. By combining trusted author content with digital tools and a flexible platform, MyLab Math personalizes the learning experience and improves results for each student. Note: You are purchasing a standalone product; MyLab Math does not come packaged with this content. Students, if interested in purchasing this title with MyLab Math, ask your instructor to confirm the correct package ISBN and Course ID. Instructors, contact your Pearson representative for more information. If you would like to purchase both the physical text and MyLab Math, search for: 0134996682 / 9780134996684 Calculus: Early Transcendentals, Books a la Carte, and MyLab Math with Pearson eText - Title-Specific Access Card Package, 3/e Package consists of: 013477051X / 9780134770512 Calculus: Early Transcendentals, Books a la Carte Edition 0134856929 / 9780134856926 MyLab Math with Pearson eText - Standalone Access Card - for Calculus: Early Transcendentals

Get ready for your AP Calculus AB exam with this straightforward, easy-to-follow study guide--updated to match the latest test changes The wildly popular test prep guide— updated and enhanced for smartphones—5 Steps to a 5: AP Calculus AB 2017 provides a proven strategy to achieving high scores on this demanding Advanced Placement exam. This logical and easy-to-follow instructional guide introduces an effective 5-step study plan to help students build the skills, knowledge, and test-taking confidence they need to reach their full potential. The book helps students master multiple-choice, free-response and essay questions and offers comprehensive answer explanations and sample responses. Written by a math consultant and former chair of math department, this insider's guide reflects the latest course syllabus and includes 2 full-length practice exams, plus the most up-to-date scoring information. The 5 Steps to a 5: AP Calculus AB 2017 effective 5-step plan breaks down test preparation into stages: 1. Set Up Your Study Program 2. Determine Your Test Readiness 3. Develop Strategies for Success 4. Develop the Knowledge You Need to Score High 5. Build Your Test-

Taking Confidence. In 2014, almost 300,000 students took the AP Calculus AB test 2 full-length practice exams BONUS interactive AP Planner app delivers a customized study schedule and extra practice questions to students' mobile devices The 5 Steps to a 5 series has prepared millions of students for success

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This text is designed for the multivariable component a three-semester or four-quarter calculus course (math, engineering, and science majors). Thomas' Calculus, Multivariable, Thirteenth Edition, introduces readers to the intrinsic beauty of calculus and the power of its applications. For more than half a century, this text has been revered for its clear and precise explanations, thoughtfully chosen examples, superior figures, and time-tested exercise sets. With this new edition, the exercises were refined, updated, and expanded-always with the goal of developing technical competence while furthering readers' appreciation of the subject. Co-authors Hass and Weir have made it their passion to improve the text in keeping with the shifts in both the preparation and ambitions of today's learners.

Get ready to ace your AP Calculus BC Exam with this easy-to-follow study guide 5 Steps to a 5: AP Calculus BC introduces an easy to follow, effective 5-step study plan to help you build the skills, knowledge, and test-taking confidence you need to achieve a high score on the exam. This wildly popular test prep guide matches the latest course syllabus and the latest exam. You'll get three full-length practice tests, detailed answers to each question, study tips, information on how the exam is scored, and much more. 5 Steps to a 5: AP Calculus BC 2018 features: • 3 Practice Exams • An interactive, customizable AP Planner app to help you organize your time • Powerful analytics you can use to assess your test readiness

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Innovative and engaging problems. Under the approach called the "Rule of Four," ideas are presented graphically, numerically, symbolically, and verbally, thereby encouraging students with a variety of learning styles to expand their knowledge. A Flexible Approach to Technology: Adaptable to courses having various levels of computer involvement, ranging from little or none to intensive. The book does not require any specific software or technology, though it has been used successfully with graphing calculators, graphing software, and computer algebra systems. Applied Problems for instructors wishing to emphasize the connection between calculus and other fields.

This edition features the same content as the traditional text in a convenient, three-hole-punched, loose-leaf version. Books a la Carte also offer a great value--this format costs significantly less than a new textbook. Before you purchase, check with your instructor or review your course syllabus to ensure that you select the correct ISBN. Several versions of Pearson's MyLab & Mastering products exist for each title, including customized versions for individual schools, and registrations are not transferable. In addition, you may need a CourseID, provided by your instructor, to register for and use Pearson's MyLab & Mastering products. Calculus for the Life Sciences features interesting, relevant applications that motivate students and highlight the utility of mathematics for the life sciences. This edition also features new ways to engage students with the material, such as Your Turn exercises. Among the traditional purposes of such an introductory course is the training of a student in the conventions of pure mathematics: acquiring a feeling for what is considered a proof, and supplying literate written arguments to support mathematical propositions. To this extent, more than one proof is included for a theorem - where this is considered beneficial - so as to stimulate the students' reasoning for alternate approaches and ideas. The second half of this book, and consequently the second semester, covers differentiation and integration, as well as the connection between these concepts, as displayed in the general theorem of Stokes. Also included are some beautiful applications of this theory, such as Brouwer's fixed point theorem, and the Dirichlet principle for harmonic functions. Throughout, reference is made to earlier sections, so as to reinforce the main ideas by repetition. Unique in its applications to some topics not usually covered at this level.

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This package includes a three-hole punched, loose-leaf edition of ISBN 9781118129258 and a registration code for the WileyPLUS course associated with the text. Before you purchase, check with your instructor or review your course syllabus to ensure that your instructor requires WileyPLUS. For customer technical support, please visit <http://www.wileyplus.com/support>. WileyPLUS registration cards are only included with new products. Used and rental products may not include WileyPLUS registration cards. Anton, Bivens & Davis latest issue of Calculus Early Transcendentals Single Variable continues to build upon previous editions to fulfill the needs of a changing market by providing flexible solutions to teaching and learning needs of all kinds. This 10th edition continues to focus on and incorporate new ideas that have withstood the objective scrutiny of many skilled and thoughtful instructors and their students. This 10th edition retains Anton's trademark clarity of exposition, sound mathematics, excellent exercises and examples, and appropriate level.

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more.

This text introduces single variable calculus and selected topics in multivariate calculus from an applied perspective. The topics are drawn from the syllabus of an integrated mathematics and physics course taught at the University of Guelph. The topics and exercises are the result of five years of testing and evaluation.

The basic objective of this book is to furnish the reader with the thorough understanding of mathematics topics included in the syllabus of B. Pharm. and Tech. (Biotechnology). The book explains: " Algebra, Determinant, Matrices " Measures of Central Values " Trigonometry " Analytical Plain Geometry " Calculus: Differential and Integral Calculus " Curve fitting, Solution of Cubic and Biquadratic Equations. Key Features " All fundamentals of the topics have been explained with a micro analysis. " Solved examples of different kinds of problems have been given to make the reader understand the various skills necessary to solve the problems. " Unsolved exercises of different kinds of problems have been given in a graded style

This package includes a copy of ISBN 9780470888537 and a registration code for the WileyPLUS course associated with the text. Before you purchase, check with your instructor or review your course syllabus to ensure that your instructor requires WileyPLUS. For customer technical support, please visit <http://www.wileyplus.com/support>. WileyPLUS registration cards are only included with new products. Used and rental products may not include WileyPLUS registration cards. This 6th Edition of Calculus continues the effort to promote courses in which understanding and computation reinforce each other. Calculus: Single Variable 6th Edition reflects the many voices of users at research universities, four-year colleges, community colleges, and secondary schools. This new edition has been streamlined to create a flexible approach to both theory and modeling. For instructors wishing to emphasize the connection between calculus and other fields, the text includes a variety of problems and examples from the physical, health, and biological sciences, engineering and economics. In addition, new problems on the mathematics of sustainability and new case studies on calculus in medicine by David E. Sloane, MD have been added.

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A 5-step program for success on the AP Calculus AB exam. The unique Cross-Platform format enables you to study the entire program in print, online, or on a mobile device. 5 Steps to a 5: AP Calculus AB will guide your preparation program and help you build the skills, knowledge, and test-taking confidence you need to succeed. This fully revised edition covers the latest course syllabus and matches the latest exam. Features include: 3 complete practice AP Calculus AB exams All the terms and concepts needed to get a top score 3 separate study plans to fit a test-taker's learning style About the Cross-Platform format: The Cross-Platform format provides a fully comprehensive print, online, and mobile program: Entire instructional content available in print and digital form Personalized study plan and daily goals Powerful analytics to assess test readiness Flashcards, games, and social media for additional support For the time-pressured AP student, this unparalleled digital access means that full study resources are always at hand.

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ize new calculus concepts. Additionally, the text's numerous and up-to-date applications from business, economics, life sciences, and social sciences help motivate students. Algebra diagnostic and review material is available for those who need to strengthen basic skills. Every aspect of this revision is designed to motivate and help students to more readily understand and apply the mathematics. Also Available with MyMathLab MyMathLab is an on-line homework, tutorial, and assessment program designed to work with this text to engage students and improve results. MyMathLab includes assignable algorithmic exercises, the complete eBook, tutorial videos, interactive figures, tools to personalize learning, and more. Students, if interested in purchasing this title with MyMathLab, ask your instructor for the correct package ISBN and Course ID. Instructors, contact your Pearson representative for more information.

Get ready for your AP Calculus AB exam with this straightforward, easy-to-follow study guide—updated for all the latest exam changes 5 Steps to a 5: AP Calculus AB features an effective, 5-step plan to guide your preparation program and help you build the skills, knowledge, and test-taking confidence you need to succeed. This fully revised edition covers the latest course syllabus and matches the latest exam. The book provides access to McGraw-Hill Education's interactive AP Planner app, which will enable you to receive a customizable study schedule on your mobile device. Bonus app features daily assignment notifications plus extra questions to assess test readiness 3 complete practice AP Calculus AB exams 3 separate study plans to fit a your learning style

Get ready to ace your AP Calculus AB Exam with this easy-to-follow, multi-platform study guide 5 Steps to a 5: AP Calculus AB 2018 Elite Student Edition introduces an effective 5-step study plan to help you build the skills, knowledge, and test-taking confidence you need to achieve a high score on the exam. This popular test prep guide matches the latest course syllabus and latest exam. You'll get online help, four full-length practice tests (two in the book and two online), detailed answers to each question, study tips, and important information on how the exam is scored. Because this guide is accessible in print and digital formats, you can study online, via your mobile device, straight from the book, or any combination of the three. With the new "5 Minutes to a 5" section, you'll also get an extra AP curriculum activity for each school day to help reinforce the most important AP concepts. With only 5 minutes a day, you can dramatically increase your score on exam day! 5 Steps to a 5: AP Calculus AB 2018 Elite Student Edition features:

- New: "5 Minutes to a 5"—Concise activities reinforcing the most important AP concepts and presented in a day-to-day study format
- Access to the entire Cross Platform Prep Course in Calculus AB
- 4 Practice Exams (2 in the book + 2 online)
- Powerful analytics you can use to assess your test readiness
- Flashcards, games, social media support, and more

Ideal for the single-variable, one calculus course, Calculus I, 8/e, contains the first 6 chapters of Calculus, 8/e. The text continues to offer instructors and students new and innovative teaching and learning resources. The Calculus series was the first to use computer-generated graphics (Third Edition), to include exercises involving the use of computers and graphing calculators (Fourth Edition), to be available in an interactive CD-ROM format (Fifth Edition), to be offered as a complete, online calculus course (Sixth Edition), and to offer a two-semester Calculus I with Precalculus text. Every edition of the book has made the mastery of traditional calculus skills a priority, while embracing the best features of new technology and, when appropriate, calculus reform ideas. Now, the Eighth Edition is the first calculus program to offer algorithmic homework and testing created in Maple so that answers can be evaluated with complete mathematical accuracy. Two primary objectives guided the authors in writing this book: to develop precise, readable materials for students that clearly define and demonstrate concepts and rules of calculus; and to design comprehensive teaching resources for instructors that employ proven pedagogical techniques and saves the instructor time. The Eighth Edition continues to provide an evolving range of conceptual, technological, and creative tools that enable instructors to teach the way they want to teach and students to learn they way they learn best. The Larson program offers a variety of options to address the needs of any calculus course and any level of calculus student, enabling the greatest number of students to succeed. The explanations, theorems, and definitions have been thoroughly and critically reviewed. When necessary, changes have been made to ensure that the text is pedagogically sound, mathematically precise, and comprehensible. The exercise sets have been carefully and extensively examined to ensure they cover all calculus topics appropriately. Many new exercises have been added at the suggestion of a number of calculus instructors. A variety of exercise types are included in each exercise set. Questions involving skills, writing, critical thinking, problem-solving, applications, and real-data applications are included throughout the text. Exercises are presented in a variety of question formats, including matching, free response, true/false, modeling, and fill-in the blank. The Eduspace online resources have been integrated into a comprehensive learning system that combines numerous dynamic calculus resources with online homework and testing materials. The Integrated Learning System addresses the changing needs of today's instructors and students. Recognizing that the calculus course is presented in a variety of teaching and learning environments, the program resources are available in print, CD-ROM, and online formats. Eduspace, powered by Blackboard provides instructors with online courses and content in multiple disciplines. By pairing the widely recognized tools of Blackboard with quality, text-specific content from Houghton Mifflin (HMC), Eduspace makes it easy for instructors to create all or part of a course online. Homework exercises, quizzes, tests, tutorials, and supplemental study materials all come ready-to-use. Instructors can choose to use the content as is, modify it, or even add their own. Eduspace with eSolutions combines all the features of Eduspace with an electronic version of the textbook exercises and the complete solutions to the odd-num-

bered text exercises, providing students with a convenient and comprehensive way to do homework and view the course materials. SMARTHINKING online tutoring brings students real-time, online tutorial support when they need it most.

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- 4 Practice Exams (2 in the book + 2 online)
- Access to the entire Cross-Platform Prep Course in Calculus AB 2020
- Step-by-step explanations for nearly 800 AP Calculus AB problems
- An appendix of common formulas and theorems frequently tested on the exam
- Powerful analytics you can use to assess your test readiness
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What is understanding and how does it differ from knowledge? How can we determine the big ideas worth understanding? Why is understanding an important teaching goal, and how do we know when students have attained it? How can we create a rigorous and engaging curriculum that focuses on understanding and leads to improved student performance in today's high-stakes, standards-based environment? Authors Grant Wiggins and Jay McTighe answer these and many other questions in this second edition of Understanding by Design. Drawing on feedback from thousands of educators around the world who have used the UbD framework since its introduction in 1998, the authors have greatly revised and expanded their original work to guide educators across the K-16 spectrum in the design of curriculum, assessment, and instruction. With an improved UbD Template at its core, the book explains the rationale of backward design and explores in greater depth the meaning of such key ideas as essential questions and transfer tasks. Readers will learn why the familiar coverage- and activity-based approaches to curriculum design fall short, and how a focus on the six facets of understanding can enrich student learning. With an expanded array of practical strategies, tools, and examples from all subject areas, the book demonstrates how the research-based principles of Understanding by Design apply to district frameworks as well as to individual units of curriculum. Combining provocative ideas, thoughtful analysis, and tested approaches, this new edition of Understanding by Design offers teacher-designers a clear path to the creation of curriculum that ensures better learning and a more stimulating experience for students and teachers alike.

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