

## College Algebra By Gary Rockswold 5th Edition

For courses in College Algebra. This package includes MyMathLab Showing why math matters Gary Rockswold doesn't just mention real-world examples; he teaches mathematical concepts through those applications. For example, if we look at Facebook usage over time, what might that tell us about linear growth and predictions? In this way, students learn the concepts in the context of the world they know, which leads to better understanding and retention. From there, the author shows a connection between application, modeling, and visualization. Rockswold is known for presenting the concept of a function as a unifying theme, with an emphasis on the rule of four (verbal, graphical, numerical, and symbolic representations). The 6th Edition emphasizes conceptual understanding with new in-chapter features and assignment options, while at the same time providing tools to empower instructors to make their classroom more active through collaboration and group work. Note: You are purchasing a standalone product; MyLab(tm) & Mastering(tm) does not come packaged with this content. Students, if interested in purchasing this title with MyLab & Mastering, ask your instructor for 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 & Mastering, search for: 0134435583 / 9780134435589 College Algebra with Modeling & Visualization plus MyMathLab with eText -- Access Card Package, 6/e Package consists of: 0134418042 / 9780134418049 College Algebra with Modeling & Visualization 0321431308 / 9780321431301 MyMathLab -- Glue-in Access Card 0321654064 / 9780321654069 MyMathLab Inside Star Sticker MyMathLab should only be purchased when required by an instructor.

For courses in college algebra. Unifies the theme of a function - See, Solve, Apply The Graphical Approach series by Hornsby, Lial, and Rockswold covers functions through a consistent, four-part analytical process. The authors ask students to: 1: [See] Examine the nature of the graph 2: Solve a typical equation analytically and graphically 3: Solve the related inequality analytically and graphically 4: Apply analytic and graphical methods to solve an application This proven approach helps students gain a deep visual and graphical understanding of math, solidifying a stronger connection to the mathematical world around them. Also available with MyLab Math MyLab(tm) 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 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: 0134851064 / 9780134851068 A Graphical Approach to College Algebra Plus MyLab Math with Pearson eText -- Access Card Package, 7/e Package consists of: 0134696522 / 9780134696522 A Graphical Approach to College Algebra 0134859227 / 9780134859224 MyLab Math with Pearson eText - Standalone Access Card - for A Graphical Approach to College Algebra

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\* This book, intended for a college algebra and trigonometry course, is the culmination of many years of teaching experience with the graphing calculator. In it, the authors treat the standard topics of college algebra and trigonometry by solving analytically, confirming graphically, and motivating through applications. \* Throughout the first five chapters, the

authors present the various classes of functions studied in a standard college algebra and trigonometry text. Chapter One introduces functions and relations, using the linear function as the basis for the presentation. In this chapter, the authors introduce the following approach which is used throughout the next four chapters: after introducing a class of functions, the nature of its graph is examined, then the analytic solution of equations based on that function is discussed. Students are then shown how to provide graphical support for solutions using a graphing calculator. Having established these two methods of solving equations, the authors move on to the analytic methods of solving the associated inequalities. Students then learn how the analytic solutions of these inequalities can also be supported graphically. Under consideration, the authors use analytic and graphical methods to solve interesting applications involving that function. \* By consistently using this approach with all the different classes of functions, students become aware that the authors are always following the same general procedure, and just applying that procedure to a new kind of function. Throughout the text, the authors emphasize the power of technology but provide numerous warnings on its limitations: the authors stress that it is only through the understanding of mathematical concepts that students can fully appreciate the power of graphing calculators and use technology appropriately.

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Gary Rockswold teaches algebra in context, answering the question, "Why am I learning this?" By experiencing math through applications,

students see how it fits into their lives, and they become motivated to succeed. Rockswold's focus on conceptual understanding helps students make connections between the concepts and as a result, students see the bigger picture of math and are prepared for future courses. Introduction to Functions and Graphs; Linear Functions and Equations; Quadratic Functions and Equations; More Nonlinear Functions and Equations; Exponential and Logarithmic Functions; Trigonometric Functions; Trigonometric Identities and Equations; Further Topics in Trigonometry; Systems of Equations and Inequalities; Conic Sections; Further Topics in Algebra For all readers interested in college algebra and trigonometry.

A Graphical Approach to Algebra and Trigonometry illustrates how the graph of a function can be used to support the solutions of equations and inequalities involving the function. Beginning with linear functions in Chapter 1, the text uses a four-part process to analyze each type of function, starting first with the graph of the function, then the equation, the associated inequality of that equation, and ending with applications. The text covers all of the topics typically caught in a college algebra course, but with an organization that fosters students' understanding of the interrelationships among graphs, equations, and inequalities. With the Fifth Edition, the text continues to evolve as it addresses the changing needs of today's students. Included are additional components to build skills, address critical thinking, solve applications, and apply technology to support traditional algebraic solutions, while maintaining its unique table of contents and functions-based approach. A Graphical Approach to Algebra and Trigonometry continues to incorporate an open design, with helpful features and careful explanations of topics.

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Hornsby/Lial/Rockswold's Graphical Approach covers functions through a consistent four part analytical process that asks students to 1) Examine the nature of the graph 2) Solve a typical equation analytically and graphically 3) Solve the related inequality analytically and graphically, and finally, 4) Apply analytic and graphical methods to solve an application of that class of function. -- This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book.

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This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Gary Rockswold teaches algebra in context, answering the question, "Why am I learning this?" By experiencing math through applications, students see how it fits into their lives, and they become motivated to succeed. Rockswold's focus on conceptual understanding helps students make connections between the concepts and as a result, students see the bigger picture of math and are prepared for future courses. This streamlined text covers linear, quadratic, nonlinear, exponential, and logarithmic functions and systems of equations and inequalities, which gets to the heart of what students need from this course. A more comprehensive college algebra text is also available.

Books a la Carte are unbound, three-hole-punch versions of the textbook. This lower cost option is easy to transport and comes with same access code or media that would be packaged with the bound book. By connecting applications, modeling, and visualization, Gary Rockswold motivates students to learn mathematics in the context of their experiences. In order to both learn and retain the material, students must see a connection between the concepts and their real lives. In this new edition, connections are taken to a new level with "See the Concept" features, where students make important connections through detailed visualizations that deepen understanding. Rockswold is also known for presenting the concept of a function as a unifying theme, with an emphasis on the rule of four (verbal, graphical, numerical, and symbolic representations). A flexible approach allows instructors to strike their own balance of skills, rule of four, applications, modeling, and technology. This Package Contains: College Algebra with Modeling and Visualization, Fifth Edition, (a la Carte edition) with MyMathLab/MyStatLab Student Access Kit

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When introducing mathematical ideas, this book moves from the concrete to the abstract, rather than the reverse. It is the authors philosophy that learning is increased when students can relate a concept to something in their lives. This approach increases both interest and motivation. Students see the importance of a topic from a practical and intuitive point of view, with models and applications playing a central part in the learning process.

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