

Precalculus A Self Teaching Guide Wiley Self Teaching

Your step-by-step solution to mastering precalculus Understanding precalculus often opens the door to learning more advanced and practical math subjects, and can also help satisfy college requisites. Precalculus Demystified, Second Edition, is your key to mastering this sometimes tricky subject. This self-teaching guide presents general precalculus concepts first, so you'll ease into the basics. You'll gradually master functions, graphs of functions, logarithms, exponents, and more. As you progress, you'll also conquer topics such as absolute value, nonlinear inequalities, inverses, trigonometric functions, and conic sections. Clear, detailed examples make it easy to understand the material, and end-of-chapter quizzes and a final exam help reinforce key ideas. It's a no-brainer! You'll learn about: Linear questions Functions Polynomial division The rational zero theorem Logarithms Matrix arithmetic Basic trigonometry Simple enough for a beginner but challenging enough for an advanced student, Precalculus Demystified, Second Edition, Second Edition, helps you master this essential subject.

Lick your language problems with DeMYSTiFieD! Want to get the most out of German but don't know where to start? No problem! German DeMYSTiFieD, Second Edition takes the angst out of learning the language. Written in a step-by-step format, this practical guide provides a firm foundation in German-language basics. You'll move on to mastering subjects such as using verbs, asking questions, telling time, counting, and more. Detailed examples and concise explanations make it easy to understand the material, and end-of-chapter quizzes and a final exam help reinforce learning. It's a no brainer. You'll learn: The German Alphabet Special Characters Definite Articles Conjugations Pronouns And more Topics include: German Pronunciation, People and Names, Asking Questions, Describing People and Things, Indicating Possession, Actions in the Present, Irregularities in Present Tense Verbs, Talking About Location, Talking About the Past, Time and Calendar, More Talking About the Past, Important Details, Talking About the Future, Review of Verbs Tenses, Linking Ideas Together, Comparing Things, Using Commands, Using the Passive Voice, Using the Subjunctive Mood, Expressing Wishes and Conditions

Get ahead in pre-calculus Pre-calculus courses have become increasingly popular with 35 percent of students in the U.S. taking the course in middle or high school. Often, completion of such a course is a prerequisite for calculus and other upper level mathematics courses. Pre-Calculus For Dummies is an invaluable resource for students enrolled in pre-calculus courses. By presenting the essential topics in a clear and concise manner, the book helps students improve their understanding of pre-calculus and become prepared for upper level math courses. Provides fundamental information in an approachable manner Includes fresh example problems Practical explanations mirror today's teaching methods Offers relevant cultural references Whether used as a classroom aid or as a refresher in preparation for an introductory calculus course, this book is one you'll want to have on hand to perform your very best.

Get a handle on pre-calculus in a pinch! If you're tackling pre-calculus and want to up your chances of doing your very best, this hands-on workbook is just what you need to grasp and retain the concepts that will help you succeed. Inside, you'll get basic

content review for every concept, paired with examples and plenty of practice problems, ample workspace, step-by-step solutions, and thorough explanations for each and every problem. In *Pre-Calculus Workbook For Dummies*, you'll also get free access to a quiz for every chapter online! With all of the lessons and practice offered, you'll memorize the most frequently used formulas, see how to avoid common mistakes, understand tricky trig proofs, and get the inside scoop on key concepts such as quadratic equations. Get ample review before jumping into a calculus course Supplement your classroom work with easy-to-follow guidance Make complex formulas and concepts more approachable Be prepared to further your mathematics studies Whether you're enrolled in a pre-calculus class or you're looking for a refresher as you prepare for a calculus course, this is the perfect study companion to make it easier.

Part of the market-leading graphing approach series by Ron Larson, *PRECALCULUS WITH LIMITS: A GRAPHING APPROACH* is an ideal student and instructor resource for courses that require the use of a graphing calculator. The quality and quantity of the exercises, combined with interesting applications and innovative resources, make teaching easier and help students succeed. Retaining the series' emphasis on student support, selected examples throughout the text include notations directing students to previous sections to review concepts and skills needed to master the material at hand. The book also achieves accessibility through careful writing and design-including examples with detailed solutions that begin and end on the same page, which maximizes readability. Similarly, side-by-side solutions show algebraic, graphical, and numerical representations of the mathematics and support a variety of learning styles. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

A sharp mind, like a healthy body, is subject to the same rule of nature: Use it or lose it Need a calculator just to work out a 15 percent service charge? Not exactly sure how to get the calculator to give you the figure you need? Turn to this revised and updated edition of *All the Math You'll Ever Need*, the friendliest, funniest, and easiest workout program around. In no time, you'll have total command of all the powerful mathematical tools needed to make numbers work for you. In a dollars-and-cents, bottom-line world, where numbers influence everything, none of us can afford to let our math skills atrophy. This step-by-step personal math trainer: Refreshes practical math skills for your personal and professional needs, with examples based on everyday situations. Offers straightforward techniques for working with decimals and fractions. Demonstrates simple ways to figure discounts, calculate mortgage interest rates, and work out time, rate, and distance problems. Contains no complex formulas and no unnecessary technical terms.

Learn geometry at your own pace What are congruent circles? How do you find the hypotenuse of a triangle? What is the sum of the angles in a decagon? How can you apply geometric equations to your daily life? With the unbeatable study companion *Geometry: A Self-Teaching Guide*, you'll discover the answers to these questions and many more. This thorough primer presents an easy-to-follow, proven method for grasping the key concepts of geometry. You'll progress step by step through plane, solid, and analytic geometry and then move on to geometric applications for calculus. You'll build your problem-solving skills along the way

through detailed examples, reviews, exercises, and answer explanations. The clearly structured format of Geometry makes it fully accessible, providing an easily understood, comprehensive overview for everyone from high school students to adult learners to math mavens. Like all Self-Teaching Guides, Geometry allows you to build gradually on what you have learned—at your own pace. Questions and self-tests reinforce the information in each chapter and allow you to skip ahead or focus on specific areas of concern. Packed with useful, up-to-date information, this clear, concise volume is a valuable learning tool and reference source for anyone who wants to improve his or her understanding of basic geometry.

A guide to precalculus covers the basics of algebra and trigonometry, with explanations and problems covering such topics as polynomials, functions, oblique triangles, and ellipses and hyperbolas.

A review of plane geometry, numerical trigonometry, geometric and trigonometric analysis, and limits emphasizes the graphic representation of problems to be solved by combined methods

Voilà! Learning French just got a whole lot easier. Interested in learning or refreshing your French but feel your language skills are less than *extraordinaire*? No need to worry! With French Demystified you'll quickly build up your repertoire and be able to understand the language and communicate effectively. Beginning with familiar French cognates and a review of basic French pronunciation, this book covers key grammar fundamentals such as common verb tenses, nouns, pronouns, and gender. You'll build your French vocabulary with essential words and phrases and quickly master this challenging yet lyrical language. Test yourself at the end of every chapter for reinforcement that you're fast on your way to speaking, writing, and understanding French. This fast and easy guide features: Clear and straightforward explanations of French grammar fundamentals Numerous examples that place new words in practical context Helpful writing and speaking exercises that bring the French language to life Coverage of everyday topics as well as conversational expressions Quizzes at the end of each chapter to reinforce new material Simple enough for a beginner but challenging enough for a more advanced student, French Demystified is your shortcut to mastering this engaging language.

Master pre-calculus from the comfort of home! Want to "know it ALL" when it comes to pre-calculus? This book gives you the expert, one-on-one instruction you need, whether you're new to pre-calculus or you're looking to ramp up your skills. Providing easy-to-understand concepts and thoroughly explained exercises, math whiz Stan Gibilisco serves as your own private tutor—without the expense! His clear, friendly guidance helps you tackle the concepts and problems that confuse you the most and work through them at your own pace. Train your brain with ease! Pre-Calculus Know-It-ALL features: Checkpoints to help you track your knowledge and skill level Problem/solution pairs and chapter-ending quizzes to reinforce learning Fully explained answers to all practice exercises A multiple-choice exam to prepare you for standardized tests "Extra Credit" and "Challenge" problems to stretch your mind Stan's expert guidance gives you the know-how to: Calculate distance in Cartesian two- and three-space Perform vector multiplication Work with cylindrical and spherical coordinates Understand relations and functions Learn the properties of conic sections Graph exponential, logarithmic, and trigonometric curves Define curves with parametric equations Work with sequences, series, and limits Take college entrance examinations with confidence And much more!

Precalculus A Self-Teaching Guide Wiley

* A complete course, from cells to the circulatory system * Hundreds of questions and many review tests * Key concepts and terms defined and explained Master key concepts. Answer challenging questions. Prepare for exams. Learn at your own pace. Are viruses living? How does

photosynthesis occur? Is cloning a form of sexual or asexual reproduction? What is Anton van Leeuwenhoek known for? With *Biology: A Self-Teaching Guide, Second Edition*, you'll discover the answers to these questions and many more. Steven Garber explains all the major biological concepts and terms in this newly revised edition, including the origin of life, evolution, cell biology, reproduction, physiology, and botany. The step-by-step, clearly structured format of *Biology* makes it fully accessible to all levels of students, providing an easily understood, comprehensive treatment of all aspects of life science. Like all Self-Teaching Guides, *Biology* allows you to build gradually on what you have learned at your own pace. Questions and self-tests reinforce the information in each chapter and allow you to skip ahead or focus on specific areas of concern. Packed with useful, up-to-date information, this clear, concise volume is a valuable learning tool and reference source for anyone who needs to master the science of life.

Pre-Calculus Demystified leads the reader through all the intricacies and requirements of this essential course. Whether you need to pass a class, a college requirement, or get a leg up on more advanced topics, this book provides clear explanation with a wealth of questions, answers and practical examples. Packed with practical examples, graphs, and Q&As, this complete self-teaching guide from the best-selling author of *Algebra Demystified* covers all the essential topics, including: absolute value, nonlinear inequalities, functions and their graphs, inverses, proportion and ratio, and much more.

This edition features the exact 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. Bob Blitzer has inspired thousands of students with his engaging approach to mathematics, making this beloved series the #1 in the market. Blitzer draws on his unique background in mathematics and behavioral science to present the full scope of mathematics with vivid applications in real-life situations. Students stay engaged because Blitzer often uses pop-culture and up-to-date references to connect math to students' lives, showing that their world is profoundly mathematical.

Quick Calculus 2nd Edition A Self-Teaching Guide Calculus is essential for understanding subjects ranging from physics and chemistry to economics and ecology. Nevertheless, countless students and others who need quantitative skills limit their futures by avoiding this subject like the plague. Maybe that's why the first edition of this self-teaching guide sold over 250,000 copies. *Quick Calculus, Second Edition* continues to teach the elementary techniques of differential and integral calculus quickly and painlessly. Your "calculus anxiety" will rapidly disappear as you work at your own pace on a series of carefully selected work problems. Each correct answer to a work problem leads to new material, while an incorrect response is followed by additional explanations and reviews. This updated edition incorporates the use of calculators and features more applications and examples. ".makes it possible for a person to delve into the mystery of calculus without being mystified." --Physics Teacher

A book that explains the fundamentals of geometry, algebra, and trigonometry with as fewest words as the author deems it possible.

Now students have nothing to fear! Math textbooks can be as baffling as the subject they're teaching. Not anymore. The best-selling author of *The Complete Idiot's Guide® to Calculus* has taken what appears to be a typical calculus workbook, chock full of solved calculus problems, and made legible notes in the margins, adding missing steps and simplifying solutions. Finally, everything is made perfectly clear. Students will be prepared to solve those obscure

problems that were never discussed in class but always seem to find their way onto exams. --Includes 1,000 problems with comprehensive solutions --Annotated notes throughout the text clarify what's being asked in each problem and fill in missing steps --Kelley is a former award-winning calculus teacher

Geometry is a very beautiful subject whose qualities of elegance, order, and certainty have exerted a powerful attraction on the human mind for many centuries. . . Algebra's importance lies in the student's future. . . as essential preparation for the serious study of science, engineering, economics, or for more advanced types of mathematics. . . The primary importance of trigonometry is not in its applications to surveying and navigation, or in making computations about triangles, but rather in the mathematical description of vibrations, rotations, and periodic phenomena of all kinds, including light, sound, alternating currents, and the orbits of the planets around the sun. In this brief, clearly written book, the essentials of geometry, algebra, and trigonometry are pulled together into three complementary and convenient small packages, providing an excellent preview and review for anyone who wishes to prepare to master calculus with a minimum of misunderstanding and wasted time and effort. Students and other readers will find here all they need to pull them through.

"I hope that people all around the world never forget what a wonderful thing it is to lie on your back and look up at the stars" Pete Seeger What is the fascination that constellations hold for people? There are probably as many different answers to that question as there are people. For many, though, the constellations are the stepping-off point into the fabulous, mind-bending discoveries and concepts of modern astronomy. For others it is their long and intriguing history that beckons. For some people the constellations provide the means for navigation and orientation over the surface of the Earth, and of course there are the millions who place some faith in horoscopes. But for most people the patterns in the sky are a beautiful part of their environment to be treasured alongside the forests, fields and rivers that make life worth living. However just as we are losing our green environment to pollution, so we are losing our sky. The glow from cities across the world swamps the stars in the night sky. Astronomers have had to retreat to remote mountain tops to escape that light pollution. The rest of us must make do with what is available. From the centre of a city, or any other brightly lit area, probably no stars at all will be visible even on the clearest of nights. From the suburbs, the brighter stars should normally be seen.

This no-nonsense guide provides students and self-learners with a clear and readable study of the most important ideas of precalculus mathematics. Tim Hill's distraction-free approach combines decades of tutoring experience with the proven methods of his Russian math teachers. The result: learn in a few weeks what conventional schools stretch into months. - Teaches general principles that can be applied to a wide variety of problems. - Avoids the mindless and excessive

routine computations that characterize conventional textbooks. - Treats the subject as a logically coherent discipline, not as a disjointed collection of techniques. - Restores proofs to their proper place to remove doubt, convey insight, and encourage precise logical thinking. - Omits digressions, excessive formalities, and repetitive exercises. - Provides exceptional preparation for a calculus course. - Includes problems (with all solutions) that extend your knowledge rather than merely reinforce it. Contents 1. The Real Line and Coordinate Plane 2. Straight Lines 3. Circles and Parabolas 4. Functions 5. Graphs 6. Trigonometry 7. Solutions

Feel at home among the stars with this acclaimed astronomy self-teaching guide . . . "A lively, up-to-date account of the basic principles of astronomy and exciting current fields of research."-Science Digest "One of the best ways by which one can be introduced to the wonders of astronomy."-The Strolling Astronomer "Excellent . . . provides stimulating reading and actively involves the reader in astronomy."-The Reflector From stars, planets, and galaxies to the mysteries of black holes, the Big Bang, and the possibility of life on other planets, this new edition of *Astronomy: A Self-Teaching Guide* brings the fascinating night sky to life for every student and amateur stargazer. With a unique self-teaching format, *Astronomy* clearly explains the essentials covered in an introductory college-level course. Written by an award-winning author, this practical guide offers beginners an easy way to quickly grasp the basic principles of astronomy. To help you further appreciate the wonders of the cosmos, this book also includes: Star and Moon maps that identify objects in the sky Objectives, reviews, and self-tests that monitor your progress Simple activities that help you to test basic principles at your own pace Updated with the latest discoveries, new photographs, and references to the best astronomy Web sites, this newest edition of *Astronomy* imparts an extraordinary appreciation of the elegant beauty of the universe. Over 2 Million Wiley Self-Teaching Guides in Print

James Stewart's CALCULUS texts are widely renowned for their mathematical precision and accuracy, clarity of exposition, and outstanding examples and problem sets. Millions of students worldwide have explored calculus through Stewart's trademark style, while instructors have turned to his approach time and time again. In the Seventh Edition of CALCULUS, Stewart continues to set the standard for the course while adding carefully revised content. The patient explanations, superb exercises, focus on problem solving, and carefully graded problem sets that have made Stewart's texts best-sellers continue to provide a strong foundation for the Seventh Edition. From the most unprepared student to the most mathematically gifted, Stewart's writing and presentation serve to enhance understanding and build confidence. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Practical Algebra If you studied algebra years ago and now need arefresher course in order to use algebraic principles on

the job, or if you're a student who needs an introduction to the subject, here's the perfect book for you. Practical Algebra is an easy and fun-to-use workout program that quickly puts you in command of all the basic concepts and tools of algebra. With the aid of practical, real-life examples and applications, you'll learn:

- * The basic approach and application of algebra to problem solving
- * The number system (in a much broader way than you have known it from arithmetic)
- * Monomials and polynomials; factoring algebraic expressions; how to handle algebraic fractions; exponents, roots, and radicals; linear and fractional equations
- * Functions and graphs; quadratic equations; inequalities; ratio, proportion, and variation; how to solve word problems, and more

Authors Peter Selby and Steve Slavin emphasize practical algebra throughout by providing you with techniques for solving problems in a wide range of disciplines--from engineering, biology, chemistry, and the physical sciences, to psychology and even sociology and business administration. Step by step, Practical Algebra shows you how to solve algebraic problems in each of these areas, then allows you to tackle similar problems on your own, at your own pace. Self-tests are provided at the end of each chapter so you can measure your mastery.

Learn physical geography at your own pace What is atmospheric pressure? How does latitude indicate the type of climate a specific place will have? Where are volcanic eruptions or strong earthquakes most likely to occur? With Physical Geography: A Self-Teaching Guide, you'll discover the answers to these questions and many more about the basics of how our planet operates. Veteran geography teacher Michael Craghan takes you on a guided tour of Earth's surface, explaining our planet's systems and cycles and their complex interactions step by step. From seasonal changes to coastal processes, from effluvial basins to deep sea fissures, Craghan puts the emphasis on comprehension of the topics. He also includes more than 100 specially commissioned illustrations and 50 photographs to help clarify difficult concepts. The clearly structured format of Physical Geography makes it fully accessible, providing an easily understood, comprehensive overview for everyone from the student to the amateur geographer to the hobbyist. Like all Self-Teaching Guides, Physical Geography allows you to build gradually on what you have learned--at your own pace. Questions and self-tests reinforce the information in each chapter and allow you to skip ahead or focus on specific areas of concern. Packed with useful, up-to-date information, this clear, concise volume is a valuable learning tool and reference source for anyone who wants to improve his or her understanding of physical geography.

Homework Helpers: Calculus is a straightforward and understandable introduction to differential calculus and its applications. It covers all of the topics in a typical Calculus class, including: Limits Continuity The product, quotient, and chain rules Implicit differentiation Related rates Graphical analysis Optimization This book also contains a review of the pre-calculus concepts that form the foundation on which calculus is built.

The fastest, easiest way to master precalculus . . . by doing it! Do logarithmic functions throw you for a loop? Does the challenge of finding an inverse function leave you overwhelmed? Does the Law of Cosines make you feel clueless? With this helpful, easy-to-follow guide, you will gain total command of these precalc concepts--and many more--in no time at all. Precalculus: A Self-Teaching Guide includes an algebra review and complete coverage of exponential functions, log functions, and trigonometry. Whether you are studying precalculus for the first time, want to refresh your memory, or need a little help for a course, this clear, interactive primer will provide you with the skills you need.

Precalculus offers a proven self-teaching approach that lets you work at your own pace-and the frequent self-tests and exercises reinforce what you've learned. Turn to this one-of-a-kind teaching tool and, before you know it, you'll be solving problems like a mathematician! This no-nonsense guide provides students and self-learners with a clear and readable study of trigonometry's most important ideas. Tim Hill's distraction-free approach combines decades of tutoring experience with the proven methods of his Russian math teachers. The result: learn in a few days what conventional schools stretch into months. - Teaches general principles that can be applied to a wide variety of problems. - Avoids the mindless and excessive routine computations that characterize conventional textbooks. - Treats trigonometry as a logically coherent discipline, not as a disjointed collection of techniques. - Restores proofs to their proper place to remove doubt, convey insight, and encourage precise logical thinking. - Omits digressions, excessive formalities, and repetitive exercises. - Covers all the trigonometry needed to take a calculus course. - Includes problems (with all solutions) that extend your knowledge rather than merely reinforce it. Contents 1. A Few Basics 2. Radian Measure 3. The Trig Functions 4. Trig Values for Special Angles 5. Graphs of Trig Functions 6. The Major Formulas 7. Inverse Trig Functions 8. The Law of Cosines (and Sines) 9. Solutions 10. Trig Cheat Sheet

The mathematics of counting permutations and combinations is required knowledge for probability, statistics, professional gambling, and many other fields. But counting is hard. Students find it hard. Teachers find it hard. And in the end the only way to learn is to do many problems. Tim Hill's learn-by-example approach presents counting concepts and problems of gradually increasing difficulty. If you become lost or confused, then you can back up a bit for clarification. With practice, you'll develop the ability to decompose complex problems and then assemble the partial solutions to arrive at the final answer. The result: learn in a few weeks what conventional schools stretch into months. - Teaches general principles that can be applied to a wide variety of problems. - Avoids the mindless and excessive routine computations that characterize conventional textbooks. - Treats counting as a logically coherent discipline, not as a disjointed collection of techniques. - Restores proofs to their proper place to remove doubt, convey insight, and encourage precise logical thinking. - Omits digressions, excessive formalities, and repetitive exercises. - Provides exceptional preparation for probability and statistics courses. - Includes problems (with all solutions) that extend your knowledge rather than merely reinforce it. Contents 1. The Sum Rule and Product Rule 2. Permutations 3. Combinations 4. The Binomial Theorem 5. Combinations with Repetition 6. Summary and Solutions

Precalculus is adaptable and designed to fit the needs of a variety of precalculus courses. It is a comprehensive text that covers more ground than a typical one- or two-semester college-level precalculus course. The content is organized by clearly-defined learning objectives, and includes worked examples that demonstrate problem-solving approaches in an accessible way. Coverage and Scope Precalculus contains twelve chapters, roughly divided into three groups. Chapters 1-4 discuss various types of functions, providing a foundation for the remainder of the course. Chapter 1: Functions Chapter 2: Linear Functions Chapter 3: Polynomial and Rational Functions Chapter 4: Exponential and Logarithmic Functions Chapters 5-8 focus on Trigonometry. In Precalculus, we approach trigonometry by first introducing angles and the unit circle, as opposed to the right triangle approach more commonly used in College Algebra and Trigonometry courses. Chapter 5: Trigonometric Functions Chapter 6: Periodic Functions Chapter 7: Trigonometric Identities and Equations Chapter 8: Further Applications of Trigonometry Chapters 9-12 present some advanced Precalculus topics that build on topics introduced in chapters 1-8. Most Precalculus syllabi include some of the topics in these chapters, but few include all. Instructors can select material as needed from this group of chapters, since they are not cumulative. Chapter 9: Systems of Equations and Inequalities Chapter 10: Analytic Geometry Chapter 11: Sequences, Probability and Counting Theory Chapter 12: Introduction to Calculus

Barron's Math 360: Pre-Calculus is your complete go-to guide for everything pre-calculus. This comprehensive guide is an essential resource for: High school and college courses, Homeschooling, Virtual Learning, Learning pods. Inside you'll find: Comprehensive Content Review: Begin your study with the basic building blocks of pre-calculus and build as you go. Topics include, algebraic methods, functions and graphs, complex numbers, polynomial and rational functions, and much more. Effective Organization: Topic organization and simple lesson formats break down the subject matter into manageable learning modules that help guide a successful study plan customized to your needs. Clear Examples and Illustrations: Easy-to-follow explanations, hundreds of helpful illustrations, and numerous step-by-step examples make this book ideal for self-study and rapid learning. Practice Exercises: Each chapter ends with practice exercises designed to reinforce and extend key skills and concepts. These checkup exercises, along with the answers and solutions, will help you assess your understanding and monitor your progress. Access to Online Practice: Take your learning online for 50 practice questions designed to test your knowledge with automated scoring to show you how far you have come.

* A complete course, from brain biology to abnormal psychology * Hundreds of questions and many review tests * Key concepts and terms defined and explained Master key concepts. Answer challenging questions. Prepare for exams. Learn at your own pace. What are the two basic psychological dimensions of emotions? How do you define abnormal behavior? Is extrasensory perception real? What is Viktor Frankl known for? With *Psychology: A Self-Teaching Guide*, you'll discover the answers to these questions and many more. Frank Bruno explains all the major psychological theories and terms in this book, covering perception, motivation, thinking, personality, sensation, intelligence, research methods, and much more. He presents the foundations of psychology and the biology of behavior; explores how children develop into adults and the psychological factors that make us individuals; and examines various mental disorders and the types of therapy used to treat them. The step-by-step, Q&A format of *Psychology* makes it fully accessible, providing an easily understood, comprehensive overview of the topic. Like the other popular Self-Teaching Guides, *Psychology* allows you to build gradually on what you have learned at your own pace. Questions and self-tests reinforce the information in each chapter and allow you to skip ahead or focus on specific areas of concern. Packed with useful, up-to-date information, this clear, concise volume is a valuable learning tool and reference source for anyone who seeks a greater understanding of human behavior.

CALCULATE THIS: TRIGONOMETRY JUST GOT A LOT EASIER TO LEARN! Now anyone with an interest in basic, practical trigonometry can master it -- without formal training, unlimited time, or a genius IQ. In *Trigonometry Demystified*, best-selling author Stan Gibilisco provides a fun, effective, and totally painless way to learn the fundamentals and general concepts of trigonometry. With *Trigonometry Demystified* you master the subject one simple step at a time -- at your own speed. Unlike most books on trigonometry, this book uses prose and illustrations to describe the concepts where others leave you pondering abstract symbology. This unique self-teaching guide offers questions at the end of each chapter and section to pinpoint weaknesses, and a 100-question final exam to reinforce the entire book. Simple enough for beginners but challenging enough for professional enrichment, *Trigonometry Demystified* is your direct route to learning or brushing up on trigonometry. Learn all aspects of trigonometry: * How angles are expressed * The relationships between angles and distances * Calculating distances based on parallax * Coordinate systems and navigation * And much more!

Can a set be a member of itself? How do we know that the square root of 2 is irrational? Can a graph really represent a function accurately? Is a function just a rule? Does canceling (crossing out) terms mask important algebraic properties? This entirely practical book is for the student who wants a complete command of the prerequisite material on the first day of calculus class. Success in calculus depends on

having a reasonable command of all that went before, yet most precalculus students are taught only simple tools and techniques, leaving them with a superficial understanding of problem-solving. Tim Hill explains why things are true and encourages students to go beyond merely memorizing ways of solving a few problems to pass exams. Teaches general principles that can be applied to a wide variety of problems. Avoids the mindless and excessive routine computations that characterize conventional textbooks. Treats the subject as a logically coherent discipline, not as a disjointed collection of techniques. Restores proofs to their proper place to remove doubt, convey insight, and encourage precise logical thinking. Omits digressions, excessive formalities, and repetitive exercises. Provides exceptional preparation for a calculus course. Includes problems (with all solutions) that extend your knowledge rather than merely reinforce it. Contents 1. Sets 2. The Real Number System 3. Functions 4. Graphs 5. Solutions About the Author Tim Hill is a statistician living in Boulder, Colorado. He holds degrees in mathematics and statistics from Stanford University and the University of Colorado. Tim has written self-teaching guides for Algebra, Trigonometry, Geometry, Precalculus, Advanced Precalculus, Permutations & Combinations, Mathematics of Money, and Excel Pivot Tables. When he's not crunching numbers, Tim climbs rocks, hikes canyons, and avoids malls.

The gateway to effectiveness - Building blocks to managing assertively - Supervisory styles : assertive-aggressive-passive - Unblocking your assertiveness to build your self-esteem - Listening - Taking risks - Constructives feedback : criticism - Saying no - Handling criticism - Giving and receiving positive feedback - Payoffs for success.

This no-nonsense guide provides students and self-learners with a clear and readable study of geometry's most important ideas. Tim Hill's distraction-free approach combines decades of tutoring experience with the proven methods of his Russian math teachers. The result: learn in a few days what conventional schools stretch into months. Covers classical and analytic geometry. Teaches general principles that can be applied to a wide variety of problems. Avoids the mindless and excessive routine computations that characterize conventional textbooks. Treats geometry as a logically coherent discipline, not as a disjointed collection of techniques. Restores proofs to their proper place to remove doubt, convey insight, and encourage precise logical thinking. Omits digressions, excessive formalities, and repetitive exercises. Includes problems (with solutions) that extend your knowledge rather than merely reinforce it. Contents 1. Triangles 2. Circles 3. Cylinders 4. Cones 5. Spheres 6. Analytic Geometry 7. Solutions 8. Geometry Cheat Sheet About the Author Tim Hill is a statistician living in Boulder, Colorado. He holds degrees in mathematics and statistics from Stanford University and the University of Colorado. Tim has written self-teaching guides for algebra, trigonometry, geometry, precalculus, advanced precalculus, permutations and combinations, debt, mortgages, and Excel pivot tables. When he's not crunching numbers, Tim climbs rocks, hikes canyons, and avoids malls.

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This no-nonsense guide provides students and self-learners with a clear and readable study of the most important ideas of precalculus

mathematics. Tim Hill's distraction-free approach combines decades of tutoring experience with the proven methods of his Russian math teachers. The result: learn in a few weeks what conventional schools stretch into months. Teaches general principles that can be applied to a wide variety of problems. Avoids the mindless and excessive routine computations that characterize conventional textbooks. Treats the subject as a logically coherent discipline, not as a disjointed collection of techniques. Restores proofs to their proper place to remove doubt, convey insight, and encourage precise logical thinking. Omits digressions, excessive formalities, and repetitive exercises. Provides exceptional preparation for a calculus course. Includes problems (with all solutions) that extend your knowledge rather than merely reinforce it. Contents 1. The Real Line and Coordinate Plane 2. Straight Lines 3. Circles and Parabolas 4. Functions 5. Graphs 6. Trigonometry 7. Solutions About the Author Tim Hill is a statistician living in Boulder, Colorado. He holds degrees in mathematics and statistics from Stanford University and the University of Colorado. Tim has written self-teaching guides for Algebra, Trigonometry, Geometry, Precalculus, Advanced Precalculus, Permutations & Combinations, Mathematics of Money, and Excel Pivot Tables. When he's not crunching numbers, Tim climbs rocks, hikes canyons, and avoids malls.

Written by three gifted-and funny-teachers, How to Ace Calculus provides humorous and readable explanations of the key topics of calculus without the technical details and fine print that would be found in a more formal text. Capturing the tone of students exchanging ideas among themselves, this unique guide also explains how calculus is taught, how to get the best teachers, what to study, and what is likely to be on exams-all the tricks of the trade that will make learning the material of first-semester calculus a piece of cake. Funny, irreverent, and flexible, How to Ace Calculus shows why learning calculus can be not only a mind-expanding experience but also fantastic fun.

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