

openstax prealgebra

Conquer Pre-Algebra with OpenStax: Your Complete Guide to Success

Are you ready to conquer pre-algebra and build a strong foundation for future math success? Feeling overwhelmed by the prospect? Then you've come to the right place. This comprehensive guide dives deep into the OpenStax Prealgebra textbook, exploring its strengths, navigating its structure, and offering tips and strategies to maximize your learning experience. We'll cover everything from understanding the book's organization to mastering key concepts and tackling challenging problems. Whether you're a high school student, an adult learner, or simply someone looking to refresh your math skills, this guide will empower you to succeed with OpenStax Prealgebra.

Understanding the OpenStax Prealgebra Textbook

OpenStax Prealgebra offers a free, high-quality, and comprehensive introduction to the fundamental concepts of pre-algebra. Unlike many commercial textbooks, OpenStax is completely open-source, meaning it's available for free online and can be downloaded or accessed digitally. This accessibility makes it an invaluable resource for students of all backgrounds. The text is meticulously designed to be user-friendly, with clear explanations, numerous examples, and a wealth of practice problems.

Key Features of OpenStax Prealgebra:

Accessibility: Completely free and readily available online.

Comprehensive Coverage: Covers all essential pre-algebra topics thoroughly.

Clear Explanations: Uses simple language and avoids unnecessary jargon.

Abundant Examples: Provides numerous solved examples to illustrate key concepts.

Extensive Practice Problems: Offers a wide range of exercises to reinforce learning.

Interactive Elements: (Depending on the version) May include interactive exercises and assessments.

Modular Structure: Allows for flexible learning and targeted review.

Navigating the Structure: A Chapter-by-Chapter Overview

While the specific chapter titles and order might vary slightly depending on the edition, the overall structure remains consistent. OpenStax Prealgebra generally follows a logical progression, building upon previously learned

concepts. A typical structure includes:

Introductory Chapters: These chapters typically cover foundational arithmetic skills, including whole numbers, fractions, decimals, and integers. They are crucial for establishing a solid base for subsequent chapters.

Chapters on Variables and Expressions: These chapters introduce the concept of variables, algebraic expressions, and simplifying expressions. This is where students begin to transition from arithmetic to algebra.

Chapters on Equations and Inequalities: These chapters focus on solving linear equations and inequalities, a cornerstone of pre-algebra and a crucial skill for higher-level math courses.

Chapters on Ratios, Proportions, and Percentages: These chapters cover crucial concepts used in everyday life and in many fields.

Geometry and Measurement: This section introduces fundamental geometric concepts and units of measurement.

Graphing and Functions (often introductory): Some versions might include an introduction to graphing and basic functions.

Mastering Key Concepts and Problem-Solving Techniques

OpenStax Prealgebra emphasizes a hands-on approach to learning. Mastering the subject requires not just reading the text but also actively engaging with the material through practice. Here are some effective strategies:

Work through every example: Don't just read the examples; try to solve them independently before looking at the solutions.

Practice consistently: Dedicate regular time to working through practice problems. The more you practice, the more confident you'll become.

Identify your weaknesses: Pay attention to the areas where you struggle and focus on those topics.

Seek help when needed: Don't hesitate to ask for help from teachers, tutors, or online forums if you're stuck.

Use online resources: Utilize online resources, such as Khan Academy or other supplemental materials, to reinforce your learning.

OpenStax Prealgebra: A Sample Curriculum Outline

Title: OpenStax Prealgebra Mastery Plan

Contents:

Introduction: Welcome and overview of the OpenStax Prealgebra textbook. Discussion of the importance of pre-algebra as a foundation for further mathematical studies.

Chapter 1: Whole Numbers: Covers basic operations (addition, subtraction, multiplication, division), order of operations (PEMDAS/BODMAS), and prime factorization.

Chapter 2: Fractions and Decimals: Explores fraction operations (addition, subtraction, multiplication, division), decimal operations, converting between fractions and decimals, and ordering fractions and decimals.

Chapter 3: Integers: Introduces integers, their operations, and the concept of absolute value.

Chapter 4: Introduction to Algebra: Covers variables, algebraic expressions, and simplifying expressions.

Chapter 5: Solving Equations: Focuses on solving linear equations using various techniques.

Chapter 6: Inequalities: Covers solving and graphing linear inequalities.

Chapter 7: Ratios, Proportions, and Percentages: Explores ratios, proportions, and percentage calculations.

Chapter 8: Geometry and Measurement: Introduces basic geometric shapes, their properties, and units of measurement.

Conclusion: Recap of key concepts, tips for continued learning, and resources for further study.

Detailed Explanation of the Curriculum Outline Points:

Each chapter in the outline above warrants detailed explanation; however, due to space constraints, we'll focus on two key chapters as examples:

Chapter 1: Whole Numbers: This foundational chapter lays the groundwork for all subsequent chapters. Mastering operations with whole numbers, understanding prime factorization, and applying the order of operations are critical for success in pre-algebra. OpenStax excels in presenting these concepts clearly, using numerous examples and real-world applications.

Chapter 5: Solving Equations: This chapter represents a major transition from arithmetic to algebra. Students learn to manipulate equations to isolate variables and find solutions. OpenStax employs a step-by-step approach, breaking down complex problems into manageable steps. Understanding techniques like combining like terms, distributing, and using inverse operations is crucial for success in this chapter.

Frequently Asked Questions (FAQs)

1. Is OpenStax Prealgebra suitable for self-study? Yes, absolutely. Its clear explanations, numerous examples, and practice problems make it highly suitable for self-directed learning.
1. Is there a cost associated with using OpenStax Prealgebra? No, the textbook is entirely free and accessible online.

1. What are the prerequisites for OpenStax Prealgebra? A basic understanding of arithmetic is helpful, but the book itself starts with fundamental concepts, making it accessible even if your arithmetic skills are a bit rusty.
1. Are there online resources to supplement OpenStax Prealgebra? Yes, numerous online resources, including Khan Academy and other educational websites, can supplement the textbook.
1. How long does it take to complete OpenStax Prealgebra? The time required varies depending on individual learning pace and prior knowledge.
1. Is OpenStax Prealgebra suitable for all learning styles? While the textbook is designed to be user-friendly, different learning styles may benefit from different supplementary materials.
1. Are there assessments or quizzes included in OpenStax Prealgebra? While the textbook primarily focuses on practice problems, some versions might include online assessments or quizzes. Many instructors create their own.
1. Can I print the OpenStax Prealgebra textbook? Yes, you can print the entire book or individual chapters.
1. What if I get stuck on a problem? Don't hesitate to seek help from online forums, tutors, or teachers. Many online communities dedicated to math are available for support.

Related Articles:

1. Mastering Fractions: A Pre-Algebra Guide: A detailed guide on understanding and working with fractions.
2. Understanding Variables in Algebra: A comprehensive explanation of variables and their role in algebra.
3. Solving Linear Equations: Step-by-Step Guide: A step-by-step guide to solving various linear equations.
4. Conquering Inequalities: A Pre-Algebra Approach: A guide to understanding and solving inequalities.
5. Introduction to Geometry: Shapes and Measurements: An overview of basic geometric shapes and measurements.
6. The Power of Ratios and Proportions: An exploration of ratios, proportions, and their applications.
7. Decimal Operations Made Easy: A simplified guide to performing various decimal operations.
8. Essential Pre-Algebra Skills for Success: Highlights the core pre-algebra skills necessary for success in algebra.
9. OpenStax Prealgebra Solutions Manual: A guide to finding solutions to problems within the textbook.

openstax prealgebra: Prealgebra 2e Lynn Marecek, Maryanne Anthony-Smith, Andrea Honeycutt Mathis, 2020-03-11 The images in this book are in color. For a less-expensive grayscale paperback version, see ISBN 9781680923254. Prealgebra 2e is designed to meet scope and sequence requirements for a one-semester prealgebra course. The text introduces 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. Students who are taking basic mathematics and prealgebra classes in college present a unique set of challenges. Many students in these classes have been unsuccessful in their prior math classes. They may think they know some math, but their core knowledge is full of holes. Furthermore, these students need to learn much more than the course content. They need to learn study skills, time management, and how to deal with math anxiety. Some students lack basic reading and arithmetic skills. The organization of Prealgebra makes it easy to adapt the book to suit a variety of course syllabi.

openstax prealgebra: Prealgebra Lynn Marecek, MaryAnne Anthony-Smith, 2015-09-25 Prealgebra is designed to meet scope and sequence requirements for a one-semester prealgebra course. The text introduces 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. Prealgebra follows a nontraditional approach in its presentation of content. The beginning, in particular, is presented as a sequence of small steps so that students gain confidence in their ability to succeed in the course.

The order of topics was carefully planned to emphasize the logical progression throughout the course and to facilitate a thorough understanding of each concept. As new ideas are presented, they are explicitly related to previous topics.--BC Campus website.

openstax prealgebra: Prealgebra Solutions Manual Richard Rusczyk, David Patrick, Ravi Bopu Boppana, 2011-08

openstax prealgebra: Algebra and Trigonometry Jay P. Abramson, Valeree Falduto, Rachael Gross (Mathematics teacher), David Lippman, Rick Norwood, Melonie Rasmussen, Nicholas Belloit, Jean-Marie Magnier, Harold Whipple, Christina Fernandez, 2015-02-13 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.

openstax prealgebra: Intermediate Algebra 2e Lynn Marecek, MaryAnne Anthony-Smith, Andrea Honeycutt Mathis, 2020-05-06

openstax prealgebra: College Algebra Jay Abramson, 2018-01-07 College Algebra provides a comprehensive exploration of algebraic principles and meets scope and sequence requirements for a typical introductory algebra course. The modular approach and richness of content ensure that the book meets the needs of a variety of courses. College Algebra offers a wealth of examples with detailed, conceptual explanations, building a strong foundation in the material before asking students to apply what they've learned. Coverage and Scope In determining the concepts, skills, and topics to cover, we engaged dozens of highly experienced instructors with a range of student audiences. The resulting scope and sequence proceeds logically while allowing for a significant amount of flexibility in instruction. Chapters 1 and 2 provide both a review and foundation for study of Functions that begins in Chapter 3. The authors recognize that while some institutions may find this material a prerequisite, other institutions have told us that they have a cohort that need the prerequisite skills built into the course. Chapter 1: Prerequisites Chapter 2: Equations and Inequalities Chapters 3-6: The Algebraic Functions Chapter 3: Functions Chapter 4: Linear Functions Chapter 5: Polynomial and Rational Functions Chapter 6: Exponential and Logarithm Functions Chapters 7-9: Further Study in College Algebra Chapter 7: Systems of Equations and Inequalities Chapter 8: Analytic Geometry Chapter 9: Sequences, Probability and Counting Theory

openstax prealgebra: Fundamentals of Mathematics Denny Burzynski, Wade Ellis, 2008 Fundamentals of Mathematics is a work text that covers the traditional study in a modern prealgebra course, as well as the topics of estimation, elementary analytic geometry, and introductory algebra. It is intended for students who: have had previous courses in prealgebra wish to meet the prerequisites of higher level courses such as elementary algebra need to review fundamental mathematical concepts and techniques This text will help the student develop the insight and intuition necessary to master arithmetic techniques and manipulative skills. It was written with the following main objectives: to provide the student with an understandable and usable source of information to provide the student with the maximum opportunity to see that arithmetic concepts and techniques are logically based to instill in the student the understanding and intuitive skills necessary to know how and when to use particular arithmetic concepts in subsequent material courses and nonclassroom situations to give the students the ability to correctly interpret arithmetically obtained results We have tried to meet these objects by presenting material dynamically much the way an instructor might present the material visually in a classroom. (See the development of the concept of addition and subtraction of fractions in section 5.3 for examples) Intuition and understanding are some of the keys to creative thinking, we believe that the material presented in this text will help students realize that mathematics is a creative subject.

openstax prealgebra: Precalculus Jay Abramson, 2018-01-07 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

openstax prealgebra: *Algebra* I.M. Gelfand, Alexander Shen, 2003-07-09 This book is about algebra. This is a very old science and its gems have lost their charm for us through everyday use. We have tried in this book to refresh them for you. The main part of the book is made up of problems. The best way to deal with them is: Solve the problem by yourself - compare your solution with the solution in the book (if it exists) - go to the next problem. However, if you have difficulties solving a problem (and some of them are quite difficult), you may read the hint or start to read the solution. If there is no solution in the book for some problem, you may skip it (it is not heavily used in the sequel) and return to it later. The book is divided into sections devoted to different topics. Some of them are very short, others are rather long. Of course, you know arithmetic pretty well. However, we shall go through it once more, starting with easy things. 2 Exchange of terms in addition Let's add 3 and 5: $3+5=8$. And now change the order: $5+3=8$. We get the same result. Adding three apples to five apples is the same as adding five apples to three - apples do not disappear and we get eight of them in both cases. 3 Exchange of terms in multiplication Multiplication has a similar property. But let us first agree on notation.

openstax prealgebra: *Beginning and Intermediate Algebra* Tyler Wallace, 2018-02-13 Get Better Results with high quality content, exercise sets, and step-by-step pedagogy! Tyler Wallace continues to offer an enlightened approach grounded in the fundamentals of classroom experience in *Beginning and Intermediate Algebra*. The text reflects the compassion and insight of its experienced author with features developed to address the specific needs of developmental level students. Throughout the text, the author communicates to students the very points their instructors are likely to make during lecture, and this helps to reinforce the concepts and provide instruction that leads students to mastery and success. The exercises, along with the number of practice problems and group activities available, permit instructors to choose from a wealth of problems, allowing ample opportunity for students to practice what they learn in lecture to hone their skills. In this way, the book perfectly complements any learning platform, whether traditional lecture or distance-learning; its instruction is so reflective of what comes from lecture, that students will feel as comfortable outside of class as they do inside class with their instructor.

openstax prealgebra: *Image Reflector Geometry* Ernest Woodward, Marilyn Woodward, 1996 Using the Image Reflector, this powerful collection of more than 20 activities is ideal for investigating symmetry, transformations, and geometric relationships along line segments. Designed to provoke thinking and motivate further exploration as students gain mastery of moving an image, making lines perpendicular. and other invaluable skills. Includes teacher's notes and blackline masters.

openstax prealgebra: *Online Statistics Education* David M Lane, 2014-12-02 Online Statistics: An Interactive Multimedia Course of Study is a resource for learning and teaching introductory statistics. It contains material presented in textbook format and as video presentations. This resource features interactive demonstrations and simulations, case studies, and an analysis lab. This print edition of the public domain textbook gives the student an opportunity to own a

physical copy to help enhance their educational experience. This part I features the book Front Matter, Chapters 1-10, and the full Glossary. Chapters Include:: I. Introduction, II. Graphing Distributions, III. Summarizing Distributions, IV. Describing Bivariate Data, V. Probability, VI. Research Design, VII. Normal Distributions, VIII. Advanced Graphs, IX. Sampling Distributions, and X. Estimation. Online Statistics Education: A Multimedia Course of Study (<http://onlinestatbook.com/>). Project Leader: David M. Lane, Rice University.

openstax prealgebra: Pre-Algebra Student Edition McGraw Hill, 2011-04-08 One Program, All Learners! Flexibility Print and digital resources for your classroom today and tomorrow Appropriate for students who are approaching, on or beyond grade level Differentiation Integrated differentiated instruction support that includes Response to Intervention (RtI) strategies A complete assessment system that monitors student progress from diagnosis to mastery More in-depth and rigorous mathematics, yet meets the needs of all students 21st Century Success Preparation for student success beyond high school in college or at work Problems and activities that use handheld technology, including the TI-84 and the TI-Nspire A wealth of digital resources such as eStudent Edition, eTeacher Edition, animations, tutorials, virtual manipulatives and assessments right at your fingertips Includes print student edition

openstax prealgebra: Math in Society David Lippman, 2012-09-07 Math in Society is a survey of contemporary mathematical topics, appropriate for a college-level topics course for liberal arts major, or as a general quantitative reasoning course. This book is an open textbook; it can be read free online at <http://www.opentextbookstore.com/mathinsociety/>. Editable versions of the chapters are available as well.

openstax prealgebra: Calculus Gilbert Strang, Edwin Prine Herman, 2016-03-07 Published by OpenStax College, Calculus is designed for the typical two- or three-semester general calculus course, incorporating innovative features to enhance student learning. The book guides students through the core concepts of calculus and helps them understand how those concepts apply to their lives and the world around them. Due to the comprehensive nature of the material, we are offering the book in three volumes for flexibility and efficiency. Volume 2 covers integration, differential equations, sequences and series, and parametric equations and polar coordinates.--BC Campus website.

openstax prealgebra: Calculus Volume 3 Edwin Herman, Gilbert Strang, 2016-03-30 Calculus is designed for the typical two- or three-semester general calculus course, incorporating innovative features to enhance student learning. The book guides students through the core concepts of calculus and helps them understand how those concepts apply to their lives and the world around them. Due to the comprehensive nature of the material, we are offering the book in three volumes for flexibility and efficiency. Volume 3 covers parametric equations and polar coordinates, vectors, functions of several variables, multiple integration, and second-order differential equations.

openstax prealgebra: Pre-Algebra Milano Angela Milano, 2015-07-15 Pre-algebra textbook for college students with accompanying MyOpenMath course.

openstax prealgebra: Precalculus Jay P. Abramson, Valeree Falduto, Rachael Gross (Mathematics teacher), David Lippman, Melonie Rasmussen, Rick Norwood, Nicholas Belloit, Jean-Marie Magnier, Harold Whipple, Christina Fernandez, 2014-10-23 Precalculus is intended for college-level precalculus students. Since precalculus courses vary from one institution to the next, we have attempted to meet the needs of as broad an audience as possible, including all of the content that might be covered in any particular course. The result is a comprehensive book that covers more ground than an instructor could likely cover in a typical one- or two-semester course; but instructors should find, almost without fail, that the topics they wish to include in their syllabus are covered in the text. Many chapters of OpenStax College Precalculus are suitable for other freshman and sophomore math courses such as College Algebra and Trigonometry; however, instructors of those courses might need to supplement or adjust the material. OpenStax will also be releasing College Algebra and Algebra and trigonometry titles tailored to the particular scope, sequence, and pedagogy of those courses.--Preface.

openstax prealgebra: Elementary Algebra John Redden, 2011

openstax prealgebra: Trigonometry I.M. Gelfand, Mark Saul, 2012-12-06 In a sense, trigonometry sits at the center of high school mathematics. It originates in the study of geometry when we investigate the ratios of sides in similar right triangles, or when we look at the relationship between a chord of a circle and its arc. It leads to a much deeper study of periodic functions, and of the so-called transcendental functions, which cannot be described using finite algebraic processes. It also has many applications to physics, astronomy, and other branches of science. It is a very old subject. Many of the geometric results that we now state in trigonometric terms were given a purely geometric exposition by Euclid. Ptolemy, an early astronomer, began to go beyond Euclid, using the geometry of the time to construct what we now call tables of values of trigonometric functions. Trigonometry is an important introduction to calculus, where one studies what mathematicians call analytic properties of functions. One of the goals of this book is to prepare you for a course in calculus by directing your attention away from particular values of a function to a study of the function as an object in itself. This way of thinking is useful not just in calculus, but in many mathematical situations. So trigonometry is a part of pre-calculus, and is related to other pre-calculus topics, such as exponential and logarithmic functions, and complex numbers.

openstax prealgebra: One Hundred Hungry Ants Elinor J. Pinczes, 1999-09-27 This tale of ants parading toward a picnic is "one of those rare gems capable of entertaining while it instructs" (Middlesex News). One hundred hungry ants march off single file to sample a picnic, but when the going gets too slow, they divide into two rows of fifty, then four rows of twenty-five . . . until they take so long that the picnic is gone! "The unexpected pairing of sophisticated art and light-hearted text lends this book particular distinction." —Publishers Weekly "The illustrations . . . use a pleasing palette and energetic lines to depict ants with highly individual characters." —Horn Book

openstax prealgebra: A Remainder of One Elinor J Pinczes, 2002-08-26 When the queen of her bugs demands that her army march in even lines, Private Joe divides the marchers into more and more lines so that he will not be left out of the parade.

openstax prealgebra: Mathematical Excursions Richard N. Aufmann, Richard D. Nation, Joanne Lockwood, Daniel K. Clegg, 2003-03-01 Developed for the liberal arts math course by a seasoned author team, *Mathematical Excursions*, is uniquely designed to help students see math at work in the contemporary world. Using the proven Aufmann Interactive Method, students learn to master problem-solving in meaningful contexts. In addition, multi-part *Excursion* exercises emphasize collaborative learning. The text's extensive topical coverage offers instructors flexibility in designing a course that meets their students' needs and curriculum requirements. The *Excursions* activity and corresponding *Excursion Exercises*, denoted by an icon, conclude each section, providing opportunities for in-class cooperative work, hands-on learning, and development of critical-thinking skills. These activities are also ideal for projects or extra credit assignments. The *Excursions* are designed to reinforce the material that has just been covered in the section in a fun and engaging manner that will enhance a student's journey and discovery of mathematics. The proven Aufmann Interactive Method ensures that students try concepts and manipulate real-life data as they progress through the material. Every objective contains at least one set of matched-pair examples. The method begins with a worked-out example with a solution in numerical and verbal formats to address different learning styles. The matched problem, called *Check Your Progress*, is left for the student to try. Each problem includes a reference to a fully worked out solution in an appendix to which the student can refer for immediate feedback, concept reinforcement, identification of problem areas, and prevention of frustration. Eduspace, powered by Blackboard, for the Aufmann/Lockwood/Nation/Clegg *Math Excursions* course features algorithmic exercises and test bank content in question pools.

openstax prealgebra: Schaum's Outline of Review of Elementary Mathematics Barnett Rich, Philip Schmidt, 1997-03-22 Confusing Textbooks? Missed Lectures? Not Enough Time? Fortunately for you, there's Schaum's Outlines. More than 40 million students have trusted Schaum's to help them succeed in the classroom and on exams. Schaum's is the key to faster

learning and higher grades in every subject. Each Outline presents all the essential course information in an easy-to-follow, topic-by-topic format. You also get hundreds of examples, solved problems, and practice exercises to test your skills. This Schaum's Outline gives you Practice problems with full explanations that reinforce knowledge Coverage of the most up-to-date developments in your course field In-depth review of practices and applications Fully compatible with your classroom text, Schaum's highlights all the important facts you need to know. Use Schaum's to shorten your study time-and get your best test scores! Schaum's Outlines-Problem Solved.

openstax prealgebra: Precalculus Robert F. Blitzer, 2014 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.

openstax prealgebra: Mathematics: Journey from Basic Mathematics through Intermediate Algebra Richard N. Aufmann, Joanne Lockwood, 2020-04-28 Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

openstax prealgebra: APEX Calculus Gregory Hartman, 2015 APEX Calculus is a calculus textbook written for traditional college/university calculus courses. It has the look and feel of the calculus book you likely use right now (Stewart, Thomas & Finney, etc.). The explanations of new concepts is clear, written for someone who does not yet know calculus. Each section ends with an exercise set with ample problems to practice & test skills (odd answers are in the back).

openstax prealgebra: Strategies for Success Lynn Marecek, MaryAnne Anthony-Smith, 2014 Strategies for Success, Second Edition provides a series of study skills activities designed to foster student success in college mathematics. Lynn Marecek and MaryAnne Anthony-Smith encourage students to take an active approach in determining what they need to do to become successful math students. These proven, class-tested activities have been developed over many semesters from the authors' firsthand experience with their own students. This workbook contains 44 activities, in ready-to-use worksheet format. The activities can be used in several ways-individual work, group work, or large group discussion. They can be used in class or assigned as homework. An accompanying Instructor's Guide is available that contains instructions and implementation strategies for each activity to help instructors easily integrate Strategies for Success into their classes. Some of the topics covered include Notebook Preparation, Reading a Math Textbook, Successful Student Behavior, Time Management, Test Preparation Skills, Study Group Ideas, and much more. The Second Edition also includes several new activities that focus on specific study skills needed by students doing their homework exercises on a computer in online, hybrid, emporium, or redesign formats. Also, a new online module based on this study skills manual can now be incorporated into custom MyMathLab(R) courses. It includes an eBook of the Strategies for Success, Second Edition, plus videos and assignable study skills material in MyMathLab.

openstax prealgebra: Prealgebra K. Elayn Martin-Gay, 2011

openstax prealgebra: The Fallacy Detective Nathaniel Bluedorn, Hans Bluedorn, 2015-04-04 The Fallacy Detective has been the best selling text for teaching logical fallacies and introduction to logic for over 15 years. Can learning logic be fun? With The Fallacy Detective it appears that it can be. I thoroughly enjoyed this book and would recommend it to anyone who wants to improve his reasoning skills.--Tim Challies, curriculum reviewer Cartoon and comic illustrations, humorous examples, and a very reader-friendly writing style make this the sort of course students will enjoy.--Cathy Duffy, homeschool curriculum reviewer I really like The Fallacy Detective because it has funny cartoons, silly stories, and teaches you a lot!--11 Year Old What is a fallacy? A fallacy is an error in logic a place where someone has made a mistake in his thinking. This is a handy book for learning to spot common errors in reasoning. - For ages twelve through adult. - Fun to use -- learn

skills you can use right away. - Peanuts, Dilbert, and Calvin and Hobbes cartoons. - Includes The Fallacy Detective Game. - Exercises with answer key.

openstax prealgebra: Introductory Business Statistics 2e Alexander Holmes, Barbara Illowsky, Susan Dean, 2023-12-13 Introductory Business Statistics 2e aligns with the topics and objectives of the typical one-semester statistics course for business, economics, and related majors. The text provides detailed and supportive explanations and extensive step-by-step walkthroughs. The author places a significant emphasis on the development and practical application of formulas so that students have a deeper understanding of their interpretation and application of data. Problems and exercises are largely centered on business topics, though other applications are provided in order to increase relevance and showcase the critical role of statistics in a number of fields and real-world contexts. The second edition retains the organization of the original text. Based on extensive feedback from adopters and students, the revision focused on improving currency and relevance, particularly in examples and problems. This is an adaptation of Introductory Business Statistics 2e by OpenStax. You can access the textbook as pdf for free at openstax.org. Minor editorial changes were made to ensure a better ebook reading experience. Textbook content produced by OpenStax is licensed under a Creative Commons Attribution 4.0 International License.

openstax prealgebra: Mathematics, Statistics & Computer Science Careers Research and Advisory Centre (Cambridge, England), 2007-04-15 Popular among university applicants and their advisers alike, these guides presents a wide range of information on a specific degree discipline, laid out in tabular format enabling at-a-glance course comparison.

openstax prealgebra: Good Masters! Sweet Ladies! Laura Amy Schlitz, 2007-07-24 A collection of short one-person plays featuring characters, between ten and fifteen years old, who live in or near a thirteenth-century English manor.

openstax prealgebra: Introduction to Algebra Richard Rusczyk, 2009

openstax prealgebra: Mathematical Methods for Physics and Engineering Kenneth Franklin Riley, Michael Paul Hobson, Stephen John Bence, 1997

openstax prealgebra: Discrete Mathematics Oscar Levin, 2016-08-16 This gentle introduction to discrete mathematics is written for first and second year math majors, especially those who intend to teach. The text began as a set of lecture notes for the discrete mathematics course at the University of Northern Colorado. This course serves both as an introduction to topics in discrete math and as the introduction to proof course for math majors. The course is usually taught with a large amount of student inquiry, and this text is written to help facilitate this. Four main topics are covered: counting, sequences, logic, and graph theory. Along the way proofs are introduced, including proofs by contradiction, proofs by induction, and combinatorial proofs. The book contains over 360 exercises, including 230 with solutions and 130 more involved problems suitable for homework. There are also Investigate! activities throughout the text to support active, inquiry based learning. While there are many fine discrete math textbooks available, this text has the following advantages: It is written to be used in an inquiry rich course. It is written to be used in a course for future math teachers. It is open source, with low cost print editions and free electronic editions.

openstax prealgebra: Active Calculus 2018 Matthew Boelkins, 2018-08-13 Active Calculus - single variable is a free, open-source calculus text that is designed to support an active learning approach in the standard first two semesters of calculus, including approximately 200 activities and 500 exercises. In the HTML version, more than 250 of the exercises are available as interactive WeBWorK exercises; students will love that the online version even looks great on a smart phone. Each section of Active Calculus has at least 4 in-class activities to engage students in active learning. Normally, each section has a brief introduction together with a preview activity, followed by a mix of exposition and several more activities. Each section concludes with a short summary and exercises; the non-WeBWorK exercises are typically involved and challenging. More information on the goals and structure of the text can be found in the preface.

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selling Precalculus text, the authors explain concepts simply and clearly, without glossing over difficult points. This comprehensive, evenly-paced book provides complete coverage of the function concept and integrates substantial graphing calculator materials that help students develop insight into mathematical ideas. This author team invests the same attention to detail and clarity as Jim Stewart does in his market-leading Calculus text.

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