

**COURSE DESCRIPTION:**

A course designed for students comfortable performing arithmetic without a calculator and solving linear equations. This course will broaden students' algebra skills to include solving linear inequalities, polynomial factoring, solving quadratic equations, laws of exponents, rational & radical expressions, and graphing of lines. Problem solving involving real-life scenarios is an integral part of this course. This course will teach students to understand and communicate concepts of algebra in the language of mathematics, both orally and written. This course enhances students' problem-solving skills, and helps prepare the student for college-level mathematics and mathematics-based courses. It is nontransferable. Due to the nature of this course, calculators are not permitted. To pass the course, students must pass a mandatory Florida State Examination. ( Effective fall 1998, the State of Florida requires that students enrolled in this course must satisfactorily complete the course requirements AND pass the exit test to pass the course.)

**COURSE OUTCOMES:**

- The student shall be able to identify whole numbers, integers, fractions & mixed numbers, and decimal numbers, perform basic operations on numbers, graph numbers on a number line, and solve appropriate word problems.
- The student shall be able to simplify numerical expressions using order of operations, solve linear equations in one variable, solve literal equations for a specified variable, and solve appropriate word problems.
- The student shall be able to solve linear inequalities in one variable, and express solutions using inequality notation, interval notation, and a number-line graph.
- The student shall be able to simplify product and quotient expressions incorporating variables with integer exponents using appropriate rules of integer exponents.
- The student shall be able to identify, perform operations on, and factor polynomial expressions; solve quadratic equations in one variable; and solve appropriate word problems.
- The student shall be able to identify and simplify rational expressions.
- The student shall be able to identify, simplify, and perform operations of addition and subtraction on radical expressions.
- The student shall be able to identify the quadrants of the rectangular coordinate system, plot points corresponding to ordered-pair coordinates, and identify the ordered-pair coordinates of points plotted on the rectangular coordinate system.
- The student shall be able to evaluate and interpret the slope of a line, graph lines given two points or a point and the slope, use the slope to determine additional points on a line, graph horizontal and vertical lines, and determine the solution to a system of linear equations graphically.
- The student shall be able to identify and create sets, and perform basic operations on sets.

# Broward College Elementary Algebra

**JR Anderson**



## **Broward College Elementary Algebra:**

**Elementary Algebra** Martin M. Zuckerman, 1998-12-24 To find more information about Rowman and Littlefield titles please visit [www.rowmanlittlefield.com](http://www.rowmanlittlefield.com) **Elementary Algebra** Charles P. McKeague, 1995 Ideal for elementary or beginning algebra lecture courses the fifth edition of ELEMENTARY ALGEBRA retains the same effectively integrated pedagogical format and unsurpassed accuracy that has made it a best seller Attention is given to motivating the development of good problem solving skills Proven mathematics author Pat McKeague applies his trademark clear accessible writing style to explain and present algebra so students understand the material do well on exams and are successful in intermediate algebra Consistent chapter organization helps students develop successful study habits The linking to topics throughout the text and series shows students the continuity of mathematics Features Consistent chapter pedagogy includes a Chapter Opener with Introduction Overview and Study Skills boxed Definitions Strategies and Rules Examples Solutions Calculator Notes for scientific calculators Problems Chapter Summary Common Mistakes Review Problems Chapter Test and Research Project Chapter Overviews introduce new material and show the connection to previously learned material Chapter Summaries list properties and definitions from the chapter provide warnings against common mistakes and give illustrative examples for each topic summarized To stimulate interest real world applications are included in most sections providing opportunities for problem solving and illustrating the usefulness of mathematical skills Section problem sets contain drill problems of progressive difficulty Applying the Concepts exercises requiring written response and numerous application problems Review Problems cover material previous chapters that is needed for understanding topics in the next section and continually reinforce skills Each pair of consecutive problems in the exercise sets is similar with answers to odd numbered problems provided in the back of the book This arrangement lets students check their work against answered problems then try the even numbered problems on their own All four operations with fractions are covered early setting the stage for fractions in equations and inequalities throughout the rest of the book New to this edition New four color design enhances the overall presentation and makes graphs easier to read and interpret *Elementary and Intermediate Algebra for College Students* Allen R. Angel, Richard Semmler, 2004 [Catalog of Copyright Entries. Third Series](#) Library of Congress. Copyright Office, 1971 [Elementary and Intermediate Algebra](#) Allen R. Angel, 2003-05 For freshman level one or two semester courses in Developmental Algebra The Angel Series continues to offer proven pedagogy sound exercise sets and superior student support An emphasis on the practical applications of algebra motivates students and encourages them to see algebra as an important part of their daily lives The student friendly writing style uses short clear sentences and easy to understand language and the outstanding pedagogical program makes the material easy to follow and comprehend The new editions continue to place a strong emphasis on problem solving incorporating it as a theme throughout the texts Angel's solid exercise sets are recognized by reviewers as of the highest standard providing a large number of problems paired exercises

and a broad and increasing range of difficulty      **Resources in Education** ,1997      AP® Calculus AB & BC Crash Course 3rd Ed., Book + Online J. Rosebush,Flavia Banu,2021-03-12 AP Calculus AB BC Crash Course updated for today s 2025 2026 digital exam A Higher Score in Less Time REA s Crash Course quick review study guide is the top choice for AP students who want to make the most of their study time and earn a high score Here s why more AP teachers and students turn to REA s AP Calculus Crash Course Targeted Focused Review Study Only What You Need to Know REA s new 3rd edition addresses all the latest 2025 2026 test revisions We cover only the information tested on the exam so you can make the most of your valuable study time Expert Test taking Strategies and Advice Authored by a team of AP Calculus teachers the book gives you the tips and topics that matter most on exam day Crash Course relies on the authors extensive analysis of the test s structure and content By following their advice you can boost your score in every section of the test Realistic Practice Questions a Mini Test in the Book a Full Length Exam Online Are you ready for your exam Try our focused practice set inside the book Then take our full length online practice exam one each for Calculus AB BC to ensure you re ready for test day Please note In the United States this is a hybrid digital paper exam Students complete multiple choice questions and view free response questions in the Bluebook app They handwrite their free response answers in paper exam booklets that are returned for scoring If you re cramming for the exam or looking for a concise course review Crash Course is the study guide every AP student needs About Our Authors Joan Marie Rosebush teaches calculus courses at the University of Vermont Ms Rosebush has taught mathematics to elementary middle school high school and college students She taught AP Calculus via satellite television to high school students scattered throughout Vermont Ms Rosebush earned her B A degree in elementary education with a concentration in mathematics at the University of New York in Cortland N Y She received her Master s Degree in education from Saint Michael s College Colchester Vermont Flavia Banu graduated from Queens College of the City University of New York with a B A in Pure Mathematics and an M A in Pure Mathematics in 1997 Ms Banu was an adjunct professor at Queens College where she taught Algebra and Calculus II Currently she teaches mathematics at Bayside High School in Bayside New York and coaches the math team for the school Her favorite course to teach is AP Calculus because it requires the most discipline rigor and creativity About Our Revisions Editor Stu Schwartz has been teaching mathematics since 1973 For 35 years he taught in the Wissahickon School District in Ambler Pennsylvania specializing in AP Calculus AB and BC and AP Statistics Mr Schwartz received his B S degree in Mathematics from Temple University Philadelphia Mr Schwartz was a 2002 recipient of the Presidential Award for Excellence in Mathematics Teaching and also won the 2007 Outstanding Educator of the Year Award for the Wissahickon School District Mr Schwartz s resource rich website [www.mastermathmentor.com](http://www.mastermathmentor.com) is geared toward helping educators teach AP Calculus AP Statistics and other math courses Mr Schwartz is always looking for ways to provide teachers with new and innovative teaching materials believing that it should be the goal of every math teacher not only to teach students mathematics but also to find joy and beauty in

math as well      Introductory and Intermediate Algebra Molly O'Neill, Julie Miller, Nancy Hyde, O'Neill Molly, Hyde Nancy, 2006-05 Miller O'Neill Hyde's Introductory and Intermediate Algebra is an insightful and engaging textbook written for teachers by teachers Through strong pedagogical features conceptual learning methodologies student friendly writing and a wide variety of exercise sets Introductory and Intermediate Algebra is a book committed to student success in mathematics      Elementary and Intermediate Algebra Jerome E. Kaufmann, 2001 Succeed in math with ELEMENTARY AND INTERMEDIATE ALGEBRA with accompanying technology Simple straightforward and easy to read this mathematics text helps you grasp and apply the fundamental problem solving skills necessary for future mathematics courses Studying is made easy with tools such as iLrn Tutorial an online tutorial that allows you to work with real math notation in real time with unlimited practice problems instant analysis and feedback and streaming video to illustrate key concepts With technology such as Personal Tutor with SMARTHINKING that allows you to access a live online algebra tutor success is only a click away

Why Tutoring? Andrea M. Nelson-Royes, 2015-03-25 Why Tutoring A Way to Achieve Success in School offers educators school administrators policymakers parents caregivers and community members a practical and research driven perspective on tutoring that links theories research and practice The book examines tutoring as a viable strategy to increase academic success in education In addition it provides readers with information on establishing tutoring programs within educational institutions or ventures outside formal education such as after school study programs It is a resource that provides stakeholders with an effective educational strategy that helps them meet the demands of twenty first century learning challenges and enhance academic achievement of all students

## The Enigmatic Realm of **Broward College Elementary Algebra**: Unleashing the Language is Inner Magic

In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing in short supply of extraordinary. Within the captivating pages of **Broward College Elementary Algebra** a literary masterpiece penned with a renowned author, readers set about a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book's core themes, assess its distinct writing style, and delve into its lasting affect the hearts and minds of those that partake in its reading experience.

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### **Broward College Elementary Algebra Introduction**

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