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Prealgebra: An Applied Approach

AUFMANN & LOCKWOOD

PREALGEBRA 6

SUCCESS IN MATHEMATICS WITH AIM AUFMANN INTERACTIVE METHOD

AN APPLIED APPROACH

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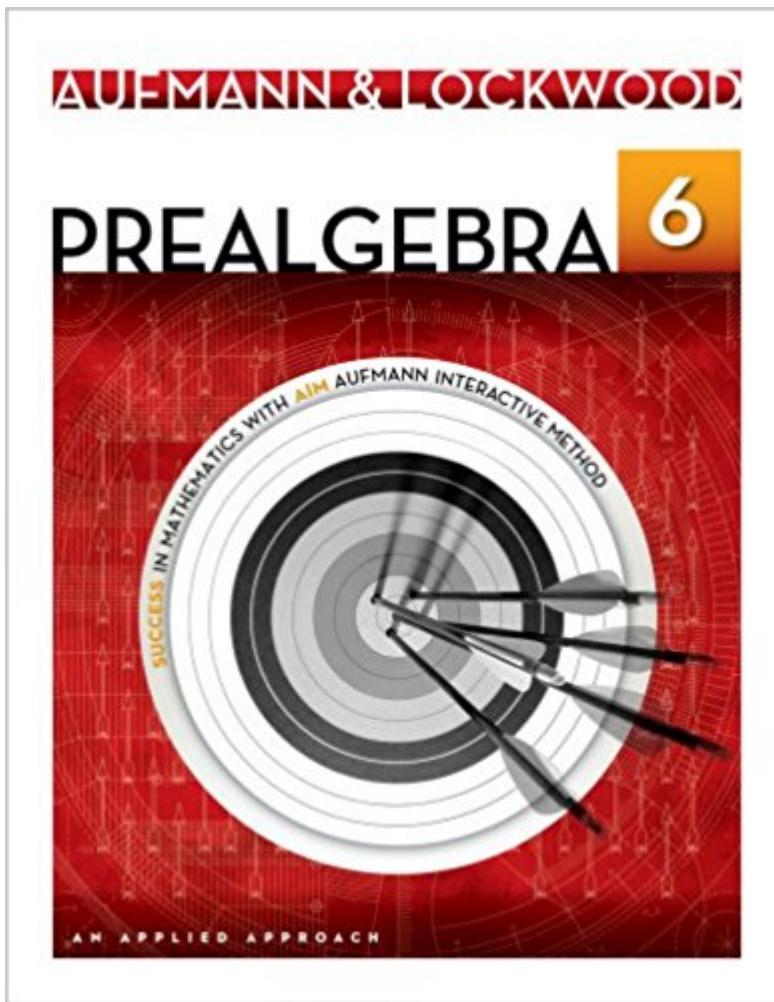
Synopsis

As in previous editions, the focus in PREALGEBRA remains on the Aufmann Interactive Method (AIM). Students are encouraged to be active participants in the classroom and in their own studies. For the first time in this edition, How To examples appear before the paired Examples and You Try It problems--a hallmark feature found in all other books in the Aufmann series. Presenting students with worked examples, and then providing them with the opportunity to immediately solve similar problems, helps them build their confidence and eventually master the concepts. Simplicity is key in the organization of this edition, as in all other editions. All lessons, exercise sets, tests, and supplements are organized around a carefully constructed hierarchy of objectives. Each exercise mirrors a preceding objective, which helps to reinforce key concepts and promote skill building. This clear, objective-based approach allows students to organize their thoughts around the content, and supports instructors as they work to design syllabi, lesson plans, and other administrative documents. New features like Focus on Success, Apply the Concept, and Concept Check add an increased emphasis on study skills and conceptual understanding to strengthen the foundation of student success. The Sixth Edition also features a new design, enhancing the Aufmann Interactive Method and making the pages easier for both students and instructors to follow. Available with InfoTrac Student Collections http://gocengage.com/infotrac.NOTE: This is a standalone text.

Book Information

Paperback: 768 pages

Publisher: Brooks Cole; 6 edition (January 1, 2013)

Language: English

ISBN-10: 1133365450

ISBN-13: 978-1133365457

Product Dimensions: 10.7 x 8.6 x 0.9 inches

Shipping Weight: 3.1 pounds (View shipping rates and policies)

Average Customer Review: 4.8 out of 5 stars 13 customer reviews

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Note: Each chapter begins with a Prep Test and concludes with a Chapter Summary, a Chapter

Review, and a Chapter Test. Chapters 2-10 include Cumulative Review Exercises. A. AIM FOR SUCCESS. 1. WHOLE NUMBERS. Introduction to Whole Numbers. Addition and Subtraction of Whole Numbers. Multiplication and Division of Whole Numbers. Solving Equations with Whole Numbers. The Order of Operations Agreement. 2. INTEGERS. Introduction to Integers. Addition and Subtraction of Integers. Multiplication and Division of Integers. Solving Equations with Integers. The Order of Operations Agreement. 3. FRACTIONS. Least Common Multiple and Greatest Common Factor. Introduction to Fractions. Multiplication and Division of Fractions. Addition and Subtraction of Fractions. Solving Equations with Fractions. Exponents, Complex Fractions, and the Order of Operations Agreement. 4. DECIMALS AND REAL NUMBERS. Introduction to Decimals. Addition and Subtraction of Decimals. Multiplication and Division of Decimals. Solving Equations with Decimals. Radical Expressions. Real Numbers. 5. VARIABLE EXPRESSIONS. Properties of Real Numbers. Variable Expressions in Simplest Form. Addition and Subtraction of Polynomials. Multiplication of Monomials. Multiplication of Polynomials. Division of Monomials. Verbal Expressions and Variable Expressions. 6. FIRST-DEGREE EQUATIONS. Equations of the form $x + a = b$ and $ax = b$. Equations of the Form $ax + b = c$ 380. General First-Degree Equations. Translating Sentences into Equations. The Rectangular Coordinate System. Graphs of Straight Lines. 7. MEASUREMENT AND PROPORTION. The Metric System of Measurement. Ratios and Rates. The U.S. Customary System of Measurement. Proportion. Direct and Inverse Variation. 8. PERCENT. Percent. The Basic Percent Equation. Percent Increase and Percent Decrease. Markup and Discount. Simple Interest. 9. GEOMETRY. Introduction to Geometry. Plane Geometric Figures. Triangles. Solids. 10. STATISTICS AND PROBABILITY. Organizing Data. Statistical Measures. Introduction to Probability. FINAL EXAM. APPENDIX. Solutions to You-Try-Its. Answers to Selected Exercises. GLOSSARY. --This text refers to an alternate Paperback edition.

Richard Aufmann is the lead author of two bestselling developmental math series and a bestselling college algebra and trigonometry series, as well as several derivative math texts. He received a BA in mathematics from the University of California, Irvine, and an MA in mathematics from California State University, Long Beach. Mr. Aufmann taught math, computer science, and physics at Palomar College in California, where he was on the faculty for 28 years. His textbooks are highly recognized and respected among college mathematics professors. Today, Mr. Aufmann's professional interests include quantitative literacy, the developmental math curriculum, and the impact of technology on curriculum development.Joanne Lockwood received a BA in English Literature from St. Lawrence University and both an MBA and a BA in mathematics from Plymouth State University. Ms.

Lockwood taught at Plymouth State University and Nashua Community College in New Hampshire, and has over 20 years' experience teaching mathematics at the high school and college level. Ms. Lockwood has co-authored two bestselling developmental math series, as well as numerous derivative math texts and ancillaries. Ms. Lockwood's primary interest today is helping developmental math students overcome their challenges in learning math.

This is the best pre-algebra that I have ever seen. The book is well written and self explanatory. Each chapter is built upon the previous chapter. Love it!

good but no cd

Excellent

Got it in the mail on time and for s good price too.

It was amazing to have been able to use this book for school. I was able to count on this company

Very good

Yes thank you! I'm very happy with it!

The book is great! Thank you

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