

PREFACE

This book organizes all of the various topics, concepts, and skills required by the *new* NYS Integrated Algebra Regents Examination in a way that is easy for students to understand and convenient for teachers to use when planning their daily lessons.

Who Should Use This Book?

- *Students Who Want To Raise Their Grades*
Students enrolled in Regents-level mathematics classes that lead to the new Integrated Algebra Regents Examination will find this book helpful when they either need additional explanation and practice on a troublesome topic being studied in class or want to review specific topics before a classroom test or the Regents examination.
- *Teachers Who Wish an Additional Resource When Lesson Planning*
Because this book is designed to be compatible with all styles of classroom instruction and curriculum organization, classroom teachers will want to include *Let's Review: Integrated Algebra* in their personal, departmental, and school libraries. Teachers will find it a valuable lesson planning aid as well as a helpful source of classroom exercises, homework problems, and test questions.
- *School Districts and Mathematics Departments*
School districts and mathematics departments that want to align their mathematics curricula with the set of prescribed topics and performance indicators of the new Integrated Algebra course will find this book particularly helpful. The table of contents shows at a glance how the various topics, skills, and concepts required by Integrated Algebra can be organized into a logical and cohesive set of lessons.

What Special Features Does This Book Have?

- *Reflects New Core Curriculum*
This book offers complete topic coverage of Integrated Algebra as described in the latest revision of the New York State Core Curriculum for Mathematics.
- *A Compact Format Designed for Self-Study and Rapid Learning*
The clear writing style quickly identifies essential ideas while avoiding unnecessary details. Helpful diagrams, convenient Math Fact summaries, and numerous step-by-step demonstration examples will be

appreciated by students who need an easy-to-read book that provides complete and systematic preparation for both classroom and Integrated Algebra Regents tests.

- *Graphing Calculator Approaches*

Graphing calculators are required for the Integrated Algebra Regents Examination. The key features of the TI-83/84 graphing calculator are introduced and used throughout the book to help support and extend algebraic approaches. Descriptions of keystroke sequences as well as actual calculator screen displays are included.

- *Practice Exercises with Answers*

Comprehensive sets of practice exercises include questions at different levels of difficulty that are designed to clinch understanding while building skill and confidence. Exercise sections feature a large sampling of “Regents-type” multiple-choice and extended-response questions that will help students prepare for both classroom tests and the Integrated Algebra Regents Examination. Answers to the practice exercises are intended to give students valuable feedback that will lead to greater understanding and higher test grades.

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