

Improvements made in Intermediate Algebra 6th Edition by D. Franklin Wright

General improvements

- The colors and layout of the book have been updated to add clarity and add visual appeal.
- The key ideas and terms at the end of every chapter have been expanded to provide students with a better tool for review of the topics covered within the chapter.
- A comprehensive chapter review, sorted by lesson, has been added at the end of every chapter.
- All sections teaching students to use graphing calculators have been updated to teach the use of the TI-84 Plus rather than the TI-83 Plus.

Chapter 1

- Chapter 1 now begins with a section covering Prime Numbers, Exponents, and LCM.
- Throughout the book, students are asked to use bracket notation when graphing number lines rather than circle notation.
- The topics from sections 1.7 and 1.8, properties of exponents and scientific notation, have been moved to chapter 4.

Chapter 2

- In section 2.1, the discussion on graphing points and identifying graphed points has been expanded.
- In section 2.2, the introduction to slope has been expanded to include a discussion of rate of change
- The topic function notation has been removed from chapter 9 and added to section 2.4.

Chapter 4

- Section 4.1 now contains the material previously covered at the end of chapter 1, the properties of exponents and scientific notation.
- The discussions covering synthetic division and the remainder theorem have been moved to the appendix.
- The topics covered in the sections on factoring have been reordered for a more natural flow.

Chapter 5

- The discussion on solving equations with rational expressions is now being introduced by a discussion on solving proportions.
- The topic solving rational inequalities has been moved from this chapter to chapter 7.

Chapter 6

- We now state that students should assume all variables are positive throughout the examples and exercises, thus removing the need for absolute value bars when simplifying radical expressions.
- Took the first discussion of rationalizing denominators from 6.1 and put it with the second section on rationalizing denominators in 6.3.
- Section 7.4, "Solving Equations with Radicals", has been moved into chapter 6.

Chapter 7

- The first two sections of Chapter 8, "Graphing Functions: Parabolas" and "Quadratic Inequalities" have been moved into Chapter 7.
- The topic "solving rational inequalities" was added to the section on quadratic inequalities.

Chapter 8

- The order of Chapters 8 and 9 has been reversed. Chapter 8 is now Exponential and Logarithmic Functions and chapter 9 is now Conic Sections.
- Common Logarithms and Natural Logarithms are no longer discussed in section 9.4. Instead, they are now discussed in their own section, 8.6. This gives students a chance to practice manipulating general logarithms before including natural and common logs.

Chapter 9

- The discussion of the midpoint formula has been removed from section 8.5.