

## How to Use the Textbook for Practice and Review

Instead of a standard suggested homework list the authors would recommend students explore the multiple resources available in the [\*Mathematics for Business and Social Sciences\*](#) text.

### Just-In-Time

As an introduction to each chapter, students are provided with a list of topics they will need prior knowledge of as they progress through the chapter. Additional support for these topics can be found in Appendix A of the text.

### Try-Its

After most subsections a Try-It provides students with the opportunity to determine whether or not they can apply the covered concepts to a new problem. The answers to all section Try-Its can be found at the end of the section and before the section exercises begin.

### Exercises

Section exercises are broken down into four practice categories: Basic Skills, Intermediate Skills, Mastery, and Communication.

- **Basic Skills Practice** – These exercises focus on one step or the building blocks of a concept or learning objective. Basic Skills exercises are subdivided based on the learning objectives for the section.
- **Intermediate Skills Practice** – These exercises focus on situations that include a larger variety of real numbers, as well as multi-step problems. Intermediate Skills exercises are subdivided based on the learning objectives for the section.
- **Mastery Practice** – These exercises require critical thinking and are not subdivided by learning objective. If students are able to complete these exercises without use of reference materials, it is assumed they have mastered the learning objectives for the section.
- **Communication Practice** – These exercises focus on students explaining concepts in their own words.

Students are encouraged to begin their practice in a section with the Intermediate Skills Practice. If a student is struggling with a group of exercises in the Intermediate Skills Practice, then they should go to the corresponding group of exercises in the Basic Skills Practice before moving on to the next group of exercises in the Intermediate Skills Practice. While not every problem in an exercise group needs to be completed by the student, answers to all exercises (both odd and even) are provided in the back of the text as Appendix B.

Once a student feels as though they have a solid grasp of the Intermediate Skills Practice, they can move to the Mastery Practice to confirm.

### Chapter Reviews

At the end of each chapter, students are provided with a chapter review organized by performance indicator questions. Each performance indicator question is followed by at least one problem for students to complete. If a student is able to complete the provided questions,

then it is assumed the student could demonstrate understanding of the performance indicator question on an exam.

### **Appendix A**

Appendix A is an algebra review for students missing some of the foundational skills necessary to complete the material covered in the rest of the textbook. Appendix A is broken into five sections: Number Sense, Introduction to Algebra, Introduction to Algebraic Expressions, Factoring, and Solving Quadratic Equations. Each section includes Skills Practice exercises for each subsection, whose answers are also included in Appendix B.

### **Appendix B**

Appendix B contains the answers to all exercises in the text.