

Preface

This manual is intended to accompany *Essentials of Precalculus with Calculus Previews*, Fifth Edition, by Dennis G. Zill and Jacqueline M. Dewar. It consists of five parts, described below.

Algebra Topics This part consists of short discussions of appropriate topics from a prerequisite algebra course (such as synthetic division), as well as topics intended to assist the student in becoming a more effective problem solver (such as implicit conditions in a word problem). See the Table of Contents for a complete list of topics covered.

Use of a Calculator This part is not intended to be a comprehensive manual on the use of a graphing calculator in a precalculus course. While much of the material discussed will be pertinent to any graphing calculator, the references in this manual will be to the TI-84 family of calculators. After a few brief comments on the use of the TI-84 calculator, the focus in this manual will be on how to use the calculator to either assist in the solution of some of the problems in the text or to check that your solution is correct or at least reasonable.

Basic Skills This is a list for each section in the text of the skills needed to solve the more manipulative problems in the section.

Selected Solutions Here, complete solutions to every third problem (starting with Problem 3) in each section of the text are given. Solutions are not provided for **Calculator Problems** or **Calculator/Computer Problems** or for the **Discussion Problems** or problems labelled **For Discussion**. Solutions for problems labelled as some type of **Application** are however given.

Answers to the Final Exam As indicated by the title of this part, the answers are provided for each of the 70 problems on the final examination on pages 390–393 in the text.