Calculus , Alternate Version, 2nd Edition
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Hallmark Features

- Topics are presented graphically, numerically, and algebraically in order to provide alternative avenues through which students can understand the material.
- A problem driven text in which the student starts with a practical problem and derives general results from it.
- The topics included in the book were chosen after discussion with professors from client disciplines, especially science and engineering, to determine their students' mathematical needs.
- Many of the real-world problems are open-ended, meaning that there may be more than one approach and more than one solution, depending on the student's analysis. Solving a problem often relies on the use of common sense and critical thinking skills. Students are encouraged to develop estimating and approximating skills.
- The book contains the main ideas of calculus in a clear, simple manner to improve students' understanding and encourage them to read the examples.
- Worked out examples are not entirely like the problem sets in the text. The result is that students cannot simply mimic techniques from the examples without actually learning the concepts.
- Technology is used as a tool to help students visualize the concepts and learn to think mathematically. It is recommended that a graphing calculator, graphing software, or computer algebra system be used with this book, however the emphasis is on the calculus concepts and not the technology.

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