

# FUNDAMENTALS OF MATHEMATICS



PRATT | SAIROGLOU



## Textbook/E-Text

The textbook/e-textbook contains 500+ exercises and 150+ solved examples, which provide students with real-world Canadian applications of mathematics. It has proven to be a key teaching and learning tool that simplifies critical mathematical concepts by using various pedagogies and learning methods.



## Online Solution Manuals

The online solution manuals provide students with detailed step-by-step solutions using various methods to facilitate self-study.



## PowerPoint Presentations

The PowerPoint presentations help to facilitate the in-class learning experience or self-study using animated approaches to present concepts and solved examples in a step-by-step manner. Student handouts of the PPTs are available to distribute for note-taking and participation. Professors are also provided with delayed presentations which can be further customized and modified at their own discretion.



## Performance Tracking

Intuitive dashboards and performance panels are provided for professors to track overall class or individual student progress and performance in the lessons and assignments. Customizable dashboards are also available to download and export student grades into various platforms.



For free access to review this hybrid resource, email us at [info@vretta.com](mailto:info@vretta.com) or call toll free 1-866-522-9228.



## Gamified Experiences

The resource contains game-based and problem solving items available throughout its lessons. These goal-oriented items allow students to apply the knowledge they learned in a fun and engaging environment.

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FIFTH EDITION

ACCESS CODE INSIDE



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## Online Lessons

The online lessons consist of interactive pedagogies that have been created in collaboration with subject matter experts from the College Student Achievement Project (CSAP) using cutting edge cloud technologies. Built using Assessment-for-Learning principles, the lessons break down concepts into micro steps for students to visualize, conceptualize, and engage with mathematics. The modular nature of the online lessons allows for high degrees of resource customization to match course outlines and schedules.



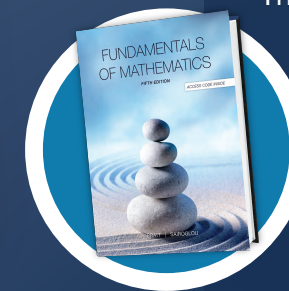
## Online Assignments and Test Banks

The online assignments and test banks contain rich, comprehensive problems that are algorithmically generated to provide students with unlimited practice and dynamic feedback on their responses. All assignments are fully customizable by professors and course administrators.



## Customizations

The resources can be customized into an exclusive edition for schools or specific courses that require significant content modification. Faculty teams can request specific changes for greater compatibility with their unique delivery needs. Professors can also provide additional content to be integrated into the course page, including paper-based assessments which can be converted into a digital format for blended delivery.





*This resource puts many nervous math students at ease and greatly improves their retention of concepts. As a professional and lifelong learner, I've seen the positive impact this resource has had on my students and I look forward to continuing to use it in the years to come.*

*Adam Lorentz, Algonquin College*

*I have a student who has been failing in math since school. After using the Fundamentals of Mathematics resource, she has done well and has passed the course. It's just great!*

*Lorraine Molloy, Seneca College*

## CONCEPTS COVERED

- Whole Numbers
- Decimal Numbers
- Exponents, Signed Numbers, and Order of Operations
- Fractions
- Algebra
- Averages, Percents, Percent Changes, and Applications
- Ratios and Proportions
- Simple and Compound Interest
- Annuities, Loans, and Mortgages
- Math Applications for Tourism
- Math Applications for Hospitality

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