

FOUNDATIONS OF MATHEMATICS



TEXTBOOKS/E-TEXTS

They contain 3000+ exercises and 400+ solved examples, which provide students with real-world Canadian applications of mathematics. They have 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 solution manuals provide students with detailed step-by-step solutions using various methods such as algebraic, calculator, or table methods, to facilitate self-study.



POWERPOINT PRESENTATIONS

The slides 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 slides are available to distribute for note-taking and participation. Professors are also provided with delayed presentations which they can further customize and modify at their own discretion.

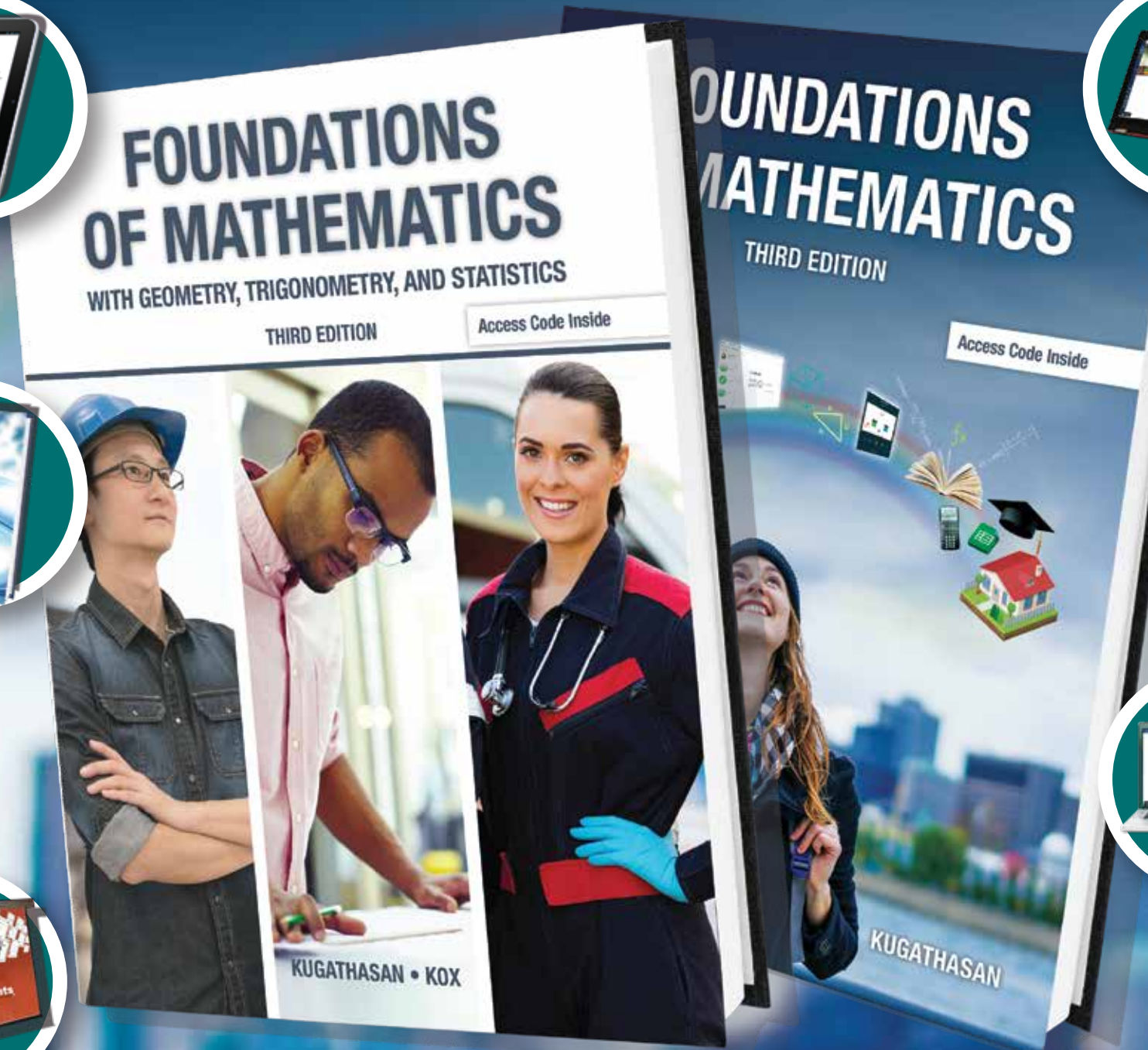


PERFORMANCE TRACKING

Intuitive dashboards and performance panels are provided for professors to track overall class, or individual student, progress and performance in the lessons and labs. 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 or call toll free 1-866-522-9228.



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) and college math professors using cutting edge cloud technologies. Built using the '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 LABS AND TEST BANKS

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



CUSTOMIZATIONS

The resources can be customized into an exclusive edition for schools 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.



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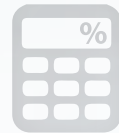
INTRO MATH

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CONCEPTS COVERED

- **Whole Numbers**
- **Fractions and Decimals**
- **Operations With Exponents and Integers**
- **Basic Algebra**
- **Percents, Percent Changes, and Applications**
- **Ratios, Proportions, and Applications**
- **Units of Measurement**
- **Graphs and Systems of Linear Equations**
- **Basic Geometry**
- **Basic Trigonometry**
- **Basic Statistics**
- **Basic Probability**



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