



MATH ELECTIVES AND AP[®] MATH

PROGRAM OVERVIEW



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National Geographic Learning, a part of Cengage, is pleased to present the following catalog of **Advanced and Elective Math** titles for the 2023–2024 Oklahoma adoption. This catalog features a wide variety of learning solutions designed to fit your curriculum in all areas of higher level mathematics.

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- Product details or questions
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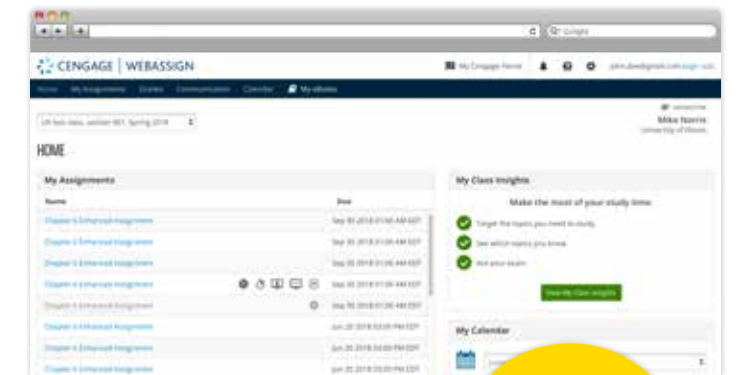


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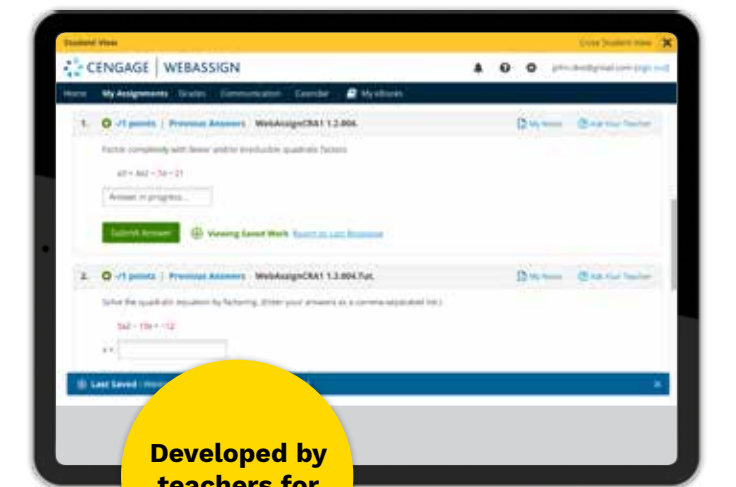


**Built for
 Mathematics
 and Statistics
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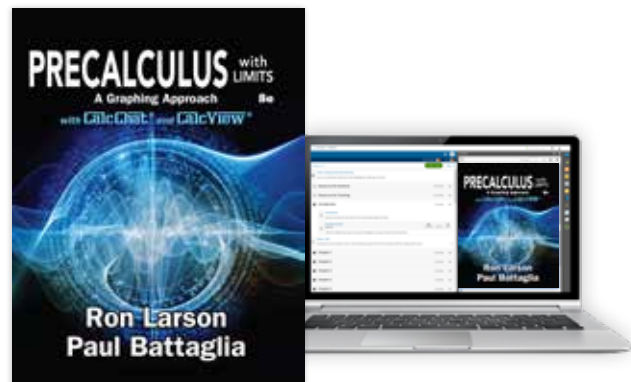
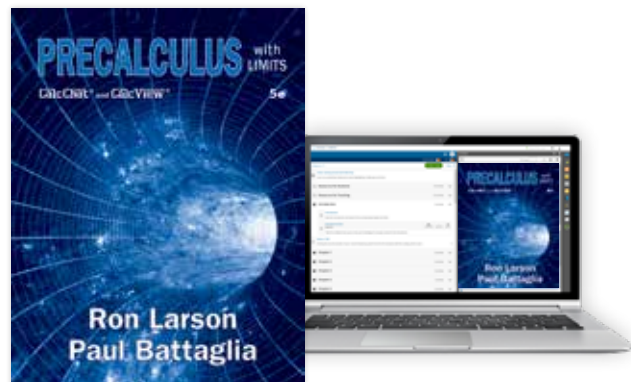


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**Developed by
 teachers for
 teachers!**



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Larson, Battaglia

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- Known for delivering sound, consistently structured explanations and exercises of mathematical concepts, with a laser-focus on preparing students for calculus
- Provides a brief algebra review to the core precalculus topics, coverage of analytic geometry in three dimensions, and an introduction to concepts covered in calculus
- Stepped-out solution videos with instruction are available for free at CalcView.com for selected exercises throughout the text
- Features Chapter and Section Overview videos in which co-author Paul Battaglia reviews the main concepts being taught and provides teaching tips and strategies

Hardcover, 1,088 pages

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Lesson Plans	9780357541548

Precalculus with Limits: A Graphing Approach
Larson, Battaglia

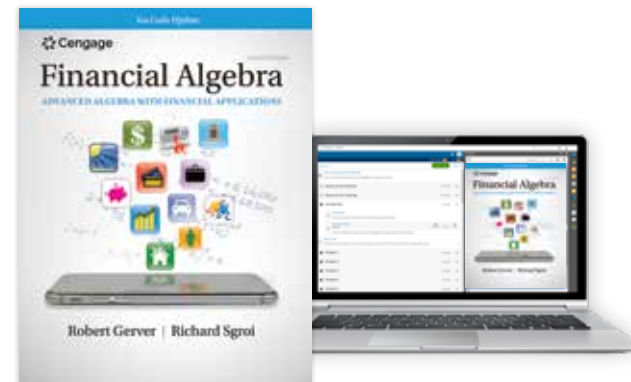
Grades 11–12 Eighth Edition ©2020 9781337904285

- Strengthens students' conceptual understanding and problem-solving skills with frequent use of graphing calculators, and is intended for classes in which graphing calculators are readily available to all students
- Incorporates technology, problem-solving strategies, real-life applications, and concept reinforcement to help students develop strong precalculus skills
- Facilitates familiarity with the basic functions by retaining its compilation of several elementary and non-elementary functions in a "Library of Parent Functions"
- Includes many examples that present side-by-side solutions with multiple approaches: algebraic, graphical, and numerical
- Stepped-out solution videos with instruction are available for free at CalcView.com for selected exercises throughout the text
- Features Chapter and Section Overview videos in which co-author Paul Battaglia reviews the main concepts being taught and provides teaching tips and strategies

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Financial Algebra: Advanced Algebra with Financial Applications, Tax Code Update
Gerver, Sgroi

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- Updated to reflect 2019 tax code updates.
- Encourages students to become actively involved in applying mathematical ideas to topics that are increasingly important in their everyday lives: credit, banking, insurance, the stock market, independent living, and more
- Combines algebraic and graphical approaches with practical business and personal finance applications that motivate high school students to explore algebraic thinking patterns and functions in a financial context
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Student Workbook	9780357423578
Annotated Teacher's Edition	9780357423530



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Larson

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WebAssign® (1-year access)	9780357645734



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Larson

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- Continues to revolutionize the way students learn material by incorporating more real-world applications, ongoing review, and innovative technology
- “How Do You See It?” exercises that give students practice applying the concepts
- New “Summarize” features, “Checkpoint” problems, and “Digital Resources” that reinforce understanding of the skill sets to help students better prepare for tests
- “Enriched Remarks” that reinforce or expand upon concepts by helping students learn how to study mathematics, avoid common errors, address special cases, and show alternative or additional steps to a solution of an example

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Brase, Brase, Dolor, Seibert

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Statistics: Learning from Data, AP® Edition Updated
Peck, Short, Olsen

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- Offers an innovative approach to teaching and learning AP® Statistics, tackling the areas that students struggle with most: probability, hypothesis testing, and selecting an appropriate method of analysis
- Guides students in gaining conceptual understanding, mechanical proficiency, and the ability to put knowledge into practice—supported by learning objectives, real-data examples and exercises, and technology notes
- Provides probability coverage based on current research that shows how students best learn the subject
- Includes two unique chapters on statistical inference and learning from experiment data, which address two common areas of student confusion: choosing a particular inference method and using inference methods with experimental data
- New AP® Content includes “AP® Review Questions” at the end of each chapter, “AP® Exam Tips” integrated in the margins of the text, and “Avoid These Common Mistakes” sections at the end of each chapter, which point out common errors students make on the AP® exam

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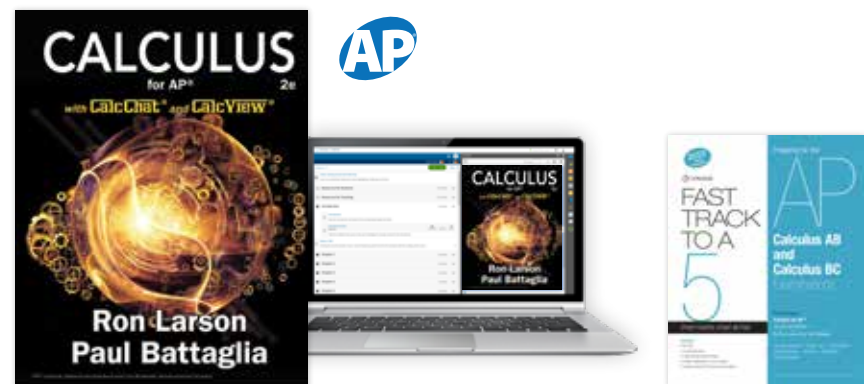
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Now includes WebAssign®, allowing student to practice active learning, while helping them develop conceptual understanding and statistical thinking via features designed for statistics courses.



Calculus for AP®
Larson, Battaglia

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- Aligned to the updated AP® Calculus AB and BC course frameworks
- Encourages students to engage in the Mathematical Practices for AP® Calculus through various contexts
- Features Larson’s proven approach to mathematics instruction, along with insight from co-author Paul Battaglia, an AP® Calculus teacher
- Provides support specific to the AP® Calculus student, including test prep that is modeled after exam questions
- Offers a clear and concise pedagogical approach that emphasizes conceptual understanding and uses proven in-classroom strategies
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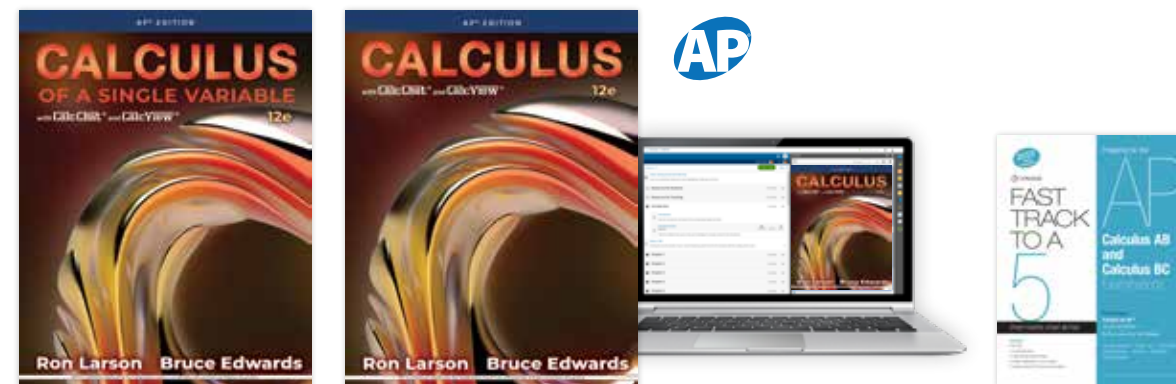
Paperback, 375 pages



LarsonCalculusforAP.com

This free website includes various tools and resources to support learning objectives. Visit LarsonCalculusforAP.com to access three-dimensional graphs, lecture videos, interactivities, and more.

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Larson, Edwards
Grades 11–12 Twelfth Edition ©2023 9780357921784 | 9780357872666

- Reflects updates that address the redesigned AP® Calculus curriculum framework including revised Exam Practice Questions
- Big Ideas of Calculus notes provide an overview of concepts necessary for AP Calculus Exam success
- Multi-step, real-life exercises that reinforce problem-solving skills and mastery of concepts by giving students the opportunity to apply the concepts in real-life situations
- “Chapter Openers” that highlight five real-life applications of calculus found throughout the chapter in featured examples and exercises
- Stepped-out solution videos with instruction are available for free at CalcView.com for selected exercises throughout the text
- Graphing technology exercises that provide an opportunity for students to use a graphing utility to help find solutions

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Fast Track to a 5 AP® Test Preparation	9780357921791

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- Closely correlated to the AP® textbook program
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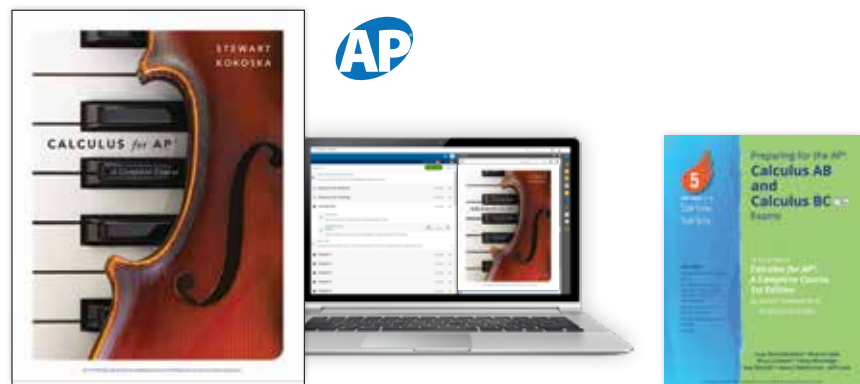


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Stewart, Kokoska

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- Designed to the AP® Calculus curriculum framework, test preparation questions use AP® Calculus Exam language to prepare students for exam success.
- Combines the experience of recent Chief Reader for the AP® Calculus Reading, Steve Kokoska, with James Stewart's mathematical precision and accuracy.
- Current, real-world data to introduce, motivate, and illustrate the concepts of calculus.
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Hardcover, 815 pages

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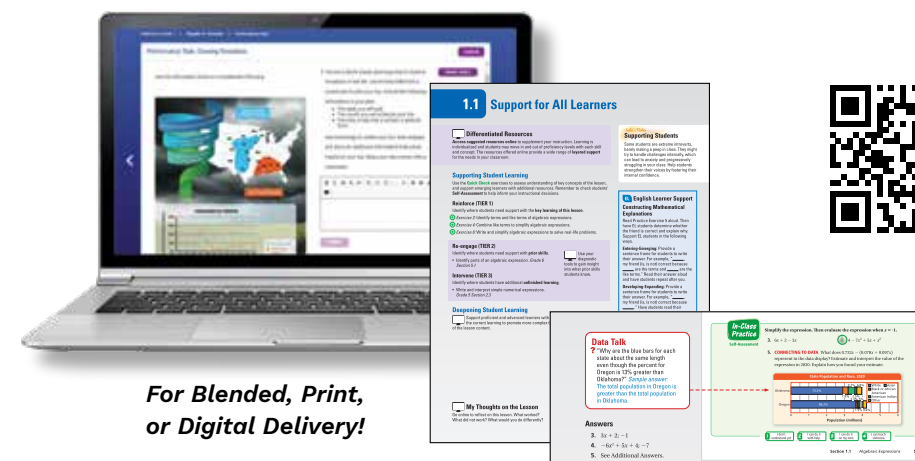
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