

# New to the Conceptual MyMathLab Update for Rockswold/Krieger Programs

**The Rockswold/Krieger algebra series** fosters conceptual understanding by using relevant applications and visualization to show students why math matters. It answers the common question “When will I ever use this?” Rockswold teaches students the math in context, rather than including the applications at the end of the presentation. By seamlessly integrating meaningful applications that include real data and supporting visuals (graphs, tables, charts, colors, and diagrams), students are able to see how math impacts their lives as they learn the concepts. The authors believe this approach deepens conceptual understanding and better prepares students for future math courses and life.

## New to the Conceptual MyMathLab Update

Adopters of the Rockswold/Krieger programs love the integration of applications and visualization throughout the text to help students retain a greater conceptual understanding. However, they’ve requested *more* of this integration in the accompanying MyMathLab courses. As a result, we bring you new Conceptual MyMathLab Updates. With these updates, the textbooks remain the same, but we’ve added the following, conceptually-focused updates to the MyMathLab courses:

- **Increased MyMathLab Coverage.** We’ve greatly increased the assignable exercises in MyMathLab. We’ve added:
  - **More Assignable Exercises and Applications:** The textbooks are full of interesting, relatable, real-world applications. We’ve nearly doubled the number of assignable exercises and applications in the MyMathLab courses so that instructors can assign these conceptually-oriented exercises to students as well. Nearly one of every problem type from the textbooks are now assignable in MyMathLab.
  - **More Guided Solution Exercises:** The Guided Solution exercise type in MyMathLab walks students through the steps as they interact with the problem, helping them understand the reasoning behind it. We’ve doubled the number of assignable Guided Solution exercises in MyMathLab, and many of these exercises require students to use **multiple methods**—(algebraic, numerical, graphical, etc.)—to deepen understanding, which is an approach that is found throughout the texts. These exercises are marked with a GS in the assignment manager in MyMathLab so they are easily identifiable.
  - **NEW! Making Connections:** Making Connection exercises occur throughout the texts to help students see how previous concepts are related to new concepts. These are now assignable in MyMathLab, and marked with a MC in the assignment manager so they are easily identifiable.
  - **NEW! Reading Checks:** Reading Check questions appear alongside important concepts in the texts, ensuring that students understand the material they have just read. These are located throughout every section, and they are also now assignable in MyMathLab. They are marked with a GS in the assignment manager so they are easily identifiable.
  - **NEW! Critical Thinking:** Critical Thinking exercises are included in most sections throughout the textbook. They pose questions that can be used for classroom discussion or homework assignments, and they are now assignable in MyMathLab. They are marked with a CT in the assignment manager so they are easily identifiable.



Mathematics and Statistics

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- **New See the Concept Videos.** Many students who struggle with math do better if they can visualize it. To aid students in learning, the authors created new See the Concept Videos to support both visualization and conceptual understanding. These videos have been created for concepts in the texts where students would benefit from *seeing* the math worked out. They are integrated throughout the eTexts in MyMathLab and also available in the multi-media library.
- **New Learning Path.** A new Learning Path has been added to the Ready to Go MyMathLab courses. This guides students on a path to success through the material, pointing them to all the available resources within the course, and instructing them on when is best to use them. The Rockswold/Krieger Learning Path has a particular emphasis on ensuring students aren't just doing "skill and drill," but that they are fully learning the material in context.
- **New Learning Catalytics questions** prepared by the authors are now available through the MyMathLab course. Learning Catalytics™ is an interactive, student response tool that uses students' smartphones, tablets, or laptops to engage them in more sophisticated tasks and thinking. Now included with MyLab, Learning Catalytics enables instructors to generate classroom discussion, guide lecture, and promote peer-to-peer learning with real-time analytics. Instructors can:
  - Pose a variety of open-ended questions that help students develop critical thinking skills.
  - Monitor responses to find out where students are struggling.
  - Use real-time data to adjust instructional strategy and try other ways of engaging students during class.
  - Manage student interactions by automatically grouping students for discussion, teamwork, and peer-to-peer learning.



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