Calculus I: A Guided Inquiry

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Bring **active learning** into your classroom or recitation section.

The guided activities found in this unique workbook cover all the topics of a traditional Calculus I course using an approach based on **research on how students learn**.

In each activity, specially designed questions guide students to examine a data set (often a graph or table) and **construct an understanding** of the underlying concept.

Students simultaneously **learn course content and key reasoning skills**, including how to ask questions, think critically, analyze data and graphs, solve problems, and work successfully as part of a collaborative team.

The active thinking, discussion, and discovery that take place during class frequently culminate in an ***Aha! Moment***. Such moments **build confidence**. Facing subsequent challenges, students rely less on memorization, and instead work to **create their own understanding**.

Students come away with a sense of ownership over the material and an ***I can do this*** attitude.

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