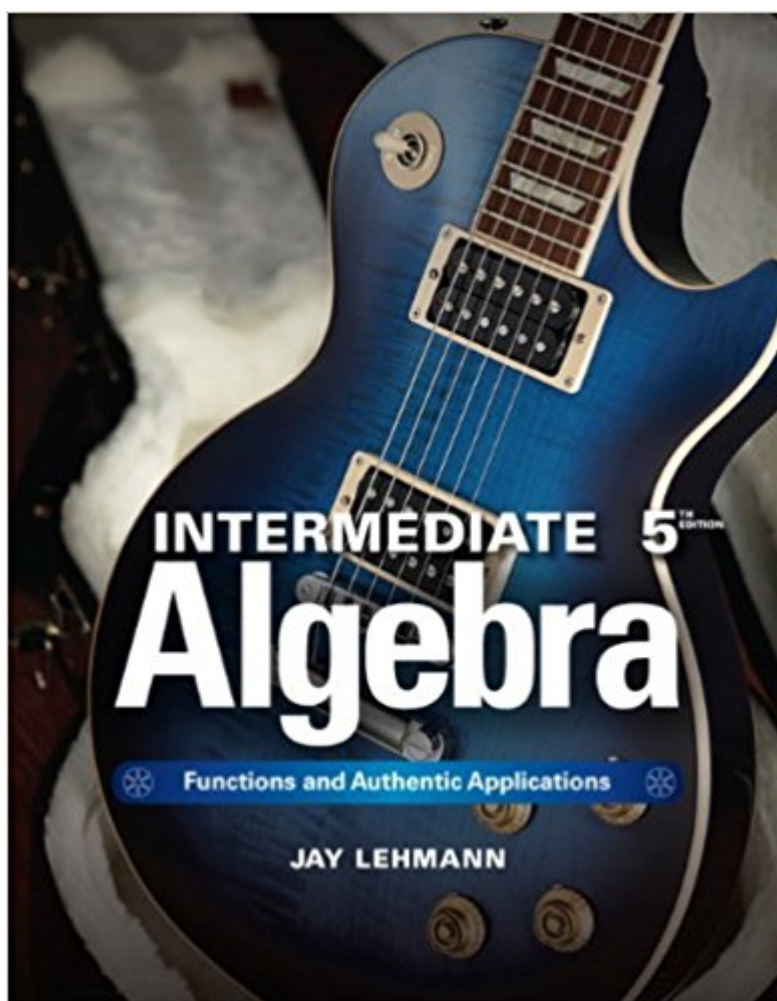


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# Intermediate Algebra: Functions & Authentic Applications (5th Edition) (Jay Says...)



## Synopsis

Using authentic data to make math meaningful to students, Jay Lehmann's algebra series uses a curve-fitting approach to model compelling, real-world situations, while answering the perennial question "But what is this good for?" Beginning with interesting data sets, students are asked to find models and derive equations to fit a scenario, helping them to understand functions graphically, numerically, and symbolically. Updated exercises, labs, and graphs deepen students' understanding of core concepts and keeps them motivated to learn.

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## Book Information

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## Customer Reviews

For more than twenty years, Jay Lehmann has taught at College of San Mateo, where he has received the Shiny Apple Award for excellence in teaching. He has worked on a NSF-funded grant to study classroom assessment and has performed research on collaborative directed-discovery learning. Jay has served as the newsletter editor for CMC3 (California Mathematics Council, Community College) for twelve years. He has presented at more than seventy-five conferences, including AMATYC, ICTCM, and T3, where he has discussed curve fitting and sung his "Number Guy" song. Jay plays in a rock band called The Procrastinistas, who play at various clubs in the San Francisco Bay Area, where Jay, his wife Keri, and son Dylan reside. He plays a number of instruments including bass, guitar, piano, violin, and baritone. In addition to his elementary, intermediate, and combined algebra textbooks, Jay is currently writing a heist novel for high school students, which he hopes will be published before Dylan outgrows it. Dylan, a devoted drummer and artist, drafted many of the cartoons that are included in Jay's textbooks. In the words of the author: Before writing my algebra series, it was painfully apparent that my students couldn't relate to the applications in the course. I was plagued with the question, "What is this good for?" To try to bridge that gap, I wrote some labs, which facilitated my students in collecting data, finding models via curve fitting, and using the models to make estimates and predictions. My students really loved working with the current, compelling, and authentic data and experiencing how mathematics truly is useful.

My students' response was so strong that I decided to write an algebra series. Little did I know that to realize this goal, I would need to embark on a 15-year challenging journey, but the rewards of hearing such excitement from students and faculty across the country has made it all worthwhile! I'm proud to have played even a small role in raising people's respect and enthusiasm for mathematics.

I have tried to honor my inspiration: by

working with authentic data, students can experience the power of mathematics. A random-sample study at my college suggests that I am achieving this goal. The study concludes that students who used my series were more likely to feel that mathematics would be useful in their lives (P-value 0.0061) as well as their careers (P-value 0.024).

Ã Ä Ã Ä Ã Ä Ã Ä Ã Ä Ã Ä Ã Ä Ã Ä Ã Ä Ã Ä The series is excellent preparation for subsequent courses; in particular, because of the curve fitting and emphasis on interpreting the contextual meaning of parameters, it is an ideal primer for statistics. In addition to curve fitting, my approach includes other types of meaningful modeling, directed-discovery explorations, conceptual questions, and of course, a large bank of skill problems. The curve-fitting applications serve as a portal for students to see the usefulness of mathematics so that they become fully engaged in the class. Once involved, they are more receptive to all aspects of the course.

I paid a substantial amount of money to purchase this textbook brand new in order to receive the access code with it. The access code did not come with is, and I am currently in the process of returning it. Horrible experience.

A book for a class

The seam of the book is nearly ripped off which will eventually make the back cover fall off. Other than that it is in decent used condition.

Book came as promised, when promised. No problems. Would purchase from them again.

Book came as described -- in acceptable condition.

Typical Algebra book. Comes with a lot of examples and an answer key at the back.

good book

Good

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