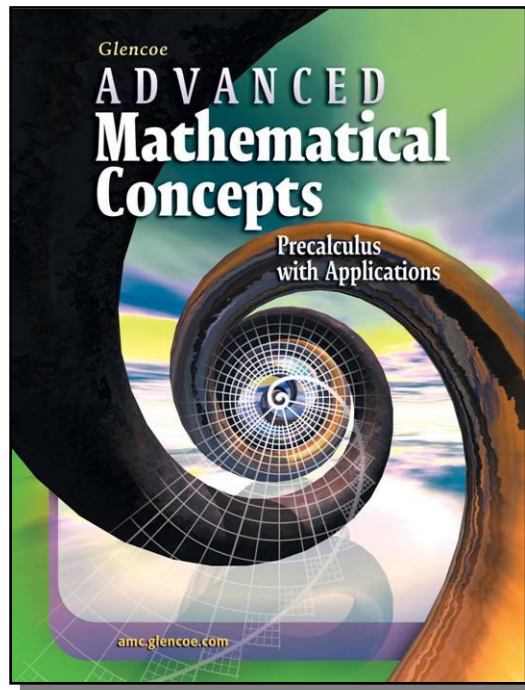




**RESEARCH SUMMARY FOR**  
*Advanced Mathematical Concepts:*  
*Precalculus with Applications*



The McGraw-Hill Companies



**Glencoe**

## **RESEARCH SUMMARY**

Glencoe's *Advanced Mathematical Concepts: Precalculus with Applications*, as well as Glencoe's entire mathematics series, are the product of ongoing classroom-oriented research that involves students, teachers, curriculum supervisors, administrators, parents, college-level mathematicians, and educational research specialists.

The programs that make up the Glencoe mathematics series are currently being used successfully by millions of students and tens of thousands of teachers. The key reason for the success of these programs in the classroom is the fact that each Glencoe author team is a mix of practicing classroom teachers, curriculum supervisors, and college-level mathematics educators and learning specialists. Glencoe's balanced author teams help ensure that Glencoe mathematics programs are both practical and progressive.

## **Authorship**

### ***Advanced Mathematical Concepts: Precalculus with Applications, ©2004***

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Prior to the publication of Glencoe's *Advanced Mathematical Concepts: Precalculus with Applications* program, research activities included:

- Field tests in which students and teachers used pre-publication manuscript in the classroom
- A review of educational research and recommendations by groups such as the National Council of Teachers of Mathematics (NCTM)
- Mail surveys of mathematics educators
- Discussion groups involving mathematics teachers, department heads, and supervisors
- Focus groups involving mathematics educators
- Face-to-face interviews with mathematics educators
- Telephone surveys of mathematics educators
- In-depth analyses of manuscript by a wide range of reviewers and consultants

Feedback from teachers, curriculum supervisors, and students who currently use Glencoe mathematics programs was also incorporated as Glencoe planned and published these new programs.

This research makes it possible for Glencoe's authors and editors to publish outstanding instructional resources that bring mathematics success to all students.

## **CONTACTS**

**For more information on Glencoe Mathematics visit us at  
[www.math.glencoe.com](http://www.math.glencoe.com).**

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