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# Algebra

# Navigating through Algebra in Grades 6-8

By Susan Friel, Sid Rachlin, and Dot Doyle

Throughout history, algebra has been a cornerstone of mathematics, and it is one of the central themes of *Principles and Standards for School Mathematics*. Algebraic thinking should be fundamental to the basic education of all students, beginning in the earliest years.

Navigating through Algebra in Grades 6–8 focuses on using mathematical models and representing and analyzing mathematical situations and structures. The book features activities and problems that require students to use different kinds of representations related to work with functions and to explore interactions that occur among these representations. Chapters emphasize such topics as patterns, relations and functions, change in various contexts, and exploring linear relations.

The Navigations Series translates *Principles and Standards for School Mathematics* into action. Each book includes practical, teacher-tested activities and a supplemental CD-ROM that features applets for students' use and resources for teachers' professional development.

NCTM offers a variety of professional development opportunities that are supported by the Navigations Series and also address other mathematical subjects. Visit www.nctm.org for more information on all of NCTM's resources, including professional development offerings and publications available in the online catalog.



The Navigating through Algebra in Grades 6-8 CD includes the following:

- Blackline masters
- Selected articles in PDF format
- Applets, and more...

## System Requirements:

- Macintosh<sup>®</sup> and Windows<sup>®</sup> compatible.
- Recommended browser is Internet Explorer 5.