

Carnegie Learning®

Georgia Mathematics 1

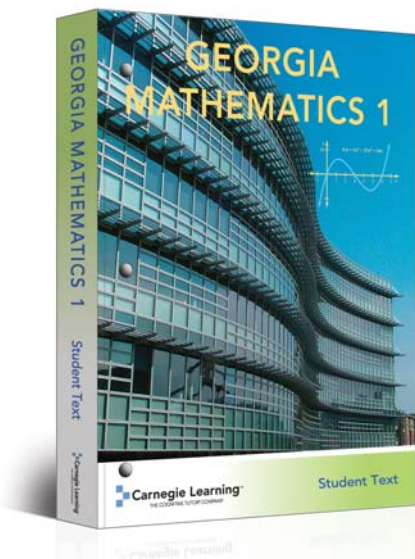
Course Description

Carnegie Learning *Georgia Mathematics 1* is designed as a first-year high school mathematics course and aligns with *Georgia Mathematics 1 Performance Standards and Frameworks*. Topics in algebra, geometry, statistics, and probability are included.

The algebraic content focuses on exploration of basic functions using tables, graphs, and simple algebraic techniques. Students explore and summarize the behaviors of functions, operate with expressions, and solve a variety of equations, including quadratic equations with a leading coefficient of one, radical equations, and rational equations.

The geometric content focuses on using the language of mathematical argument and justification. Students are introduced to basic forms of mathematical argument including direct and indirect proof. Students discover, prove, and apply properties of polygons, including the coordinate plane.

The probability content focuses on using counting techniques and determining probabilities. The statistics content focuses on using summary statistics to compare samples to populations and exploring the variability of data.



Curriculum Updates for 2009-2010

Carnegie Learning develops and publishes consumable textbooks to support collaborative, student-centered classroom instruction. Publishing softcover texts allows us to be agile to incorporate research-based updates to our curricula and to take customer feedback under consideration for improving our instructional materials.

Carnegie Learning is pleased to announce the following editorial updates for the *Georgia Mathematics 1* consumable textbook set for the 2009-2010 school year:

- **New Chapter Sequence**

The chapters in the text set will be realigned to more closely follow the GA Mathematics 1 Frameworks and the GA DOE Learning Tasks.

- Outcomes from realigning the chapters will include publishing a revised pacing guide and reordering the assignments and assessments accordingly.
- Content that is not in direct alignment will be removed from the instructional materials.

- **Additional lessons and revisions**

- Create a chapter to cover pre-requisite content
- New lessons for functions and logic will be added.
- Some lessons will be revised to better address the frameworks or learning tasks.
- More problem and practice activities for developing high- and low-level math skills.

- **Skills Practice**

- Worksheets will be added to the text set to provide additional resources for use in class or as take-home assignments.
- Worksheets will be made up of a variety of targeted problems corresponding to textbook lessons.
- Each worksheet will include activities to strengthen mathematical vocabulary.

- **Availability**

- The revised textbooks will be completed and available to ship on 5/15/09.

To view presentations, product samples and downloads, please visit:

www.carnegielearning.com/georgia.