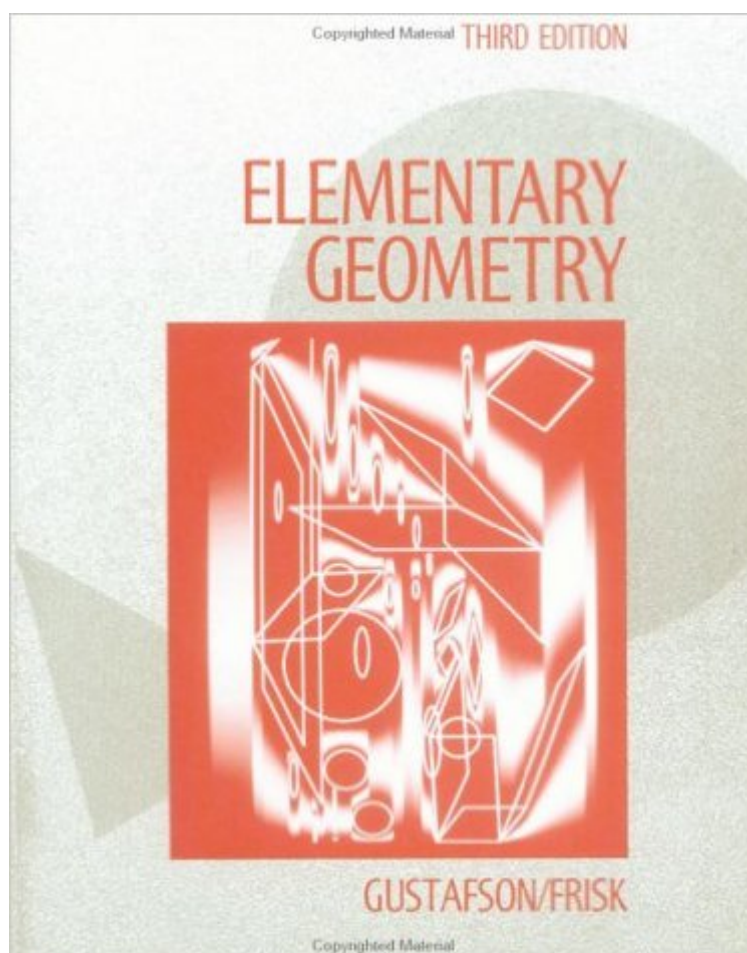


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# Elementary Geometry



## Synopsis

Although extensively revised, this new edition continues in the fine tradition of its predecessor. Major changes include: a notation that formalizes the distinction between equality and congruence and between line, ray and line segment; a completely rewritten chapter on mathematical logic with inclusion of truth tables and the logical basis for the discovery of non-Euclidean geometries; expanded coverage of analytic geometry with more theorems discussed and proved with coordinate geometry; two distinct chapters on parallel lines and parallelograms; a condensed chapter on numerical trigonometry; more problems; expansion of the section on surface areas and volume; and additional review exercises at the end of each chapter. Concise and logical, it will serve as an excellent review of high school geometry.

## Book Information

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Average Customer Review: 4.4 out of 5 stars [See all reviews](#) (7 customer reviews)

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## Customer Reviews

I had used this text in a geometry class I took in college as a math major (class was not required, just needed hours to fill). After using this book and finishing the course, I found it to be much better than the geometry book I used in high school. This book, like many high school texts, breaks geometry down into constructions using only a straight-edge and compass and then introduces definitions and theorems (some proved, some left to prove as exercises). The part that hooked me in was the fill-in-the-blank-step proofs that were partially completed but let the reader finish so that he or she will become familiar with "Statement/Reason" geometric proofs. Finally, after ten chapters which deal with such topics as quadrilaterals, parallel lines, polygon areas, similar and congruent triangles, and circles, the authors introduce logic by methods of truth tables, Euler circles, and

tautologies. Last but not least, a chapter connecting algebra to 2-Dimensional (Cartesian) geometry offer the bridge between the "abstract" world of algebra and the "concrete" world of geometry.

Some pages have blurry letters, but I got this book for a very good discount compared to the school book store so I cannot complain. I only used it for 6 months and it lasted the whole way.

Was delivered on time and in expected condition. Great book for a math teacher looking for more rigorous material for geometry in Common Core. Proofs are coming back!

Book has simple and more complicated Geometry and is clearly written. Our professor likes this book even though its from 1991!

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