



## Synopsis

"A good textbook." • Mathematical Gazette. This introduction to Euclidean geometry emphasizes both the theory and the practical application of isometries and similarities to geometric transformations. Each chapter begins with an optional commentary on the history of geometry. Contents include modern elementary geometry, isometries and similarities in the plane, vectors and complex numbers in geometry, inversion, and isometries in space. Numerous exercises appear throughout the text, many of which have corresponding answers and hints at the back of the book. Prerequisites for this text, which is suitable for undergraduate courses, include high school algebra, geometry, and elementary trigonometry. 1972 edition.

## Book Information

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## Customer Reviews

I am using this textbook in my college (Math Education majors) Higher Geometry class this semester. The book is very good, it covers very relevant and interesting topics, and is by far the cheapest textbook ever. However as the instructor, I have to spend hours to look up the prerequisites from high school needed to understand all of the theorems. This is true mostly of Chapter One. Often times a five line proof in the textbook takes most of the hour to present properly in the classroom because most of the steps are missing. For the students this is a great deal if the instructor does all the work; for the instructor, a book that would cover the same subjects but with full proofs and a "prerequisites" section would be much more helpful. We are however all fans of the

hints in the back of the book to solve the end of section problems.

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