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Explorations and Discoveries in Mathematics, Volume 3, Using The Geometer's Sketchpad Version 4

By Gennadiy Eyshinskiy, Paul Cinco

Lulu.com, United States, 2010. Paperback. Book Condition: New. 279 x 208 mm. Language: English . Brand New Book ***** Print on Demand *****.251 pages with 60 laboratory lessons and solutions in Algebra and Geometry suitable for use in high schools and middle schools. Students explore and discover geometric postulates and theorems in Geometry and use their discoveries and observations to write proofs and develop solutions to related algebraic and geometric problems that are provided with each lab. Together with Volume 2 of Explorations and Discoveries in Mathematics, it is an indispensable companion to any standard secondary geometry course. Topics include a complete visual introduction to the geometry of a circle, derivation of the area formulas for the various polygons, the geometric theorems involved with congruence, quadrilaterals, area, transformations and locus theorems in coordinate geometry. This book requires the use of the Geometer's Sketchpad, Version 4, a registered trademark of Key Curriculum Press. The book was supported by Key Curriculum Press with a grant to the authors.


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