



College Geometry: A Discovery Approach (2nd Edition)

By Kay, David

Pearson, 2000. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: (* Indicates optional section.) Preface. To the Student. 1. Exploring Geometry. Discovery in Geometry. Variations on Two Familiar Geometric Themes. Discovery via the Computer. Steiner's Theorem. 2. Foundations of Geometry I: Points, Lines, Segments, and Angles. *An Introduction to Axiomatics and Proof. *The Role of Examples and Models. Incidence Axioms for Geometry. Distance, Ruler Postulate, Segments, Rays, and Angles. Angle Measure and the Protractor Postulate. Plane Separation, Interior of Angles, Crossbar Theorem. Chapter Summary. 3. Foundations of Geometry II: Triangles, Quadrilaterals, and Circles. Triangles, Congruence Relations, SAS Hypothesis. *Taxicab Geometry: Geometry Without SAS Congruence. SAS, ASA, SSS Congruence, and Perpendicular Bisectors. Exterior Angle Inequality. The Inequality Theorems. Additional Congruence Criteria. Quadrilaterals. Circles. Chapter Summary. 4. Euclidean Geometry: Trigonometry, Coordinates, and Vectors. Euclidean Parallelism, Existence of Rectangles. Parallelograms and Trapezoids: Parallel Projection. Similar Triangles, Pythagorean Theorem, Trigonometry. Regular Polygons and Tiling. *Euclid's Concept of Area and Volume. Coordinate Geometry and Vectors. *Some Modern Geometry of the Triangle. Chapter Summary. 5. Transformations in Geometry. Euclid's Superposition Proof and Plan Transformation. Reflections: Building Blocks for Isometries. Translations, Rotations and Other Isometries. Other Linear Transformations. Coordinate Characterization. *Using...



READ ONLINE
[7.57 MB]

Reviews

This sort of pdf is every little thing and made me seeking forward and a lot more. This is certainly for all who statte that there was not a worth reading through. I found out this book from my dad and i recommended this publication to discover.

-- **Christopher Kozey**

This composed pdf is fantastic. It normally will not expense too much. You will like how the writer write this publication.

-- **Dr. Jerald Hansen**