



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...



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KEYWORDS: Relativistic Geometry, Mass and Charge, Complex Matter Space, Un-Euclidean, Minkowski's Geometry. JOURNAL NAME: Journal of Applied Mathematics and Physics, Vol.5 No.2, February 17, 2017. ABSTRACT: Duality behavior of photons in wave-particle property has posed challenges and opportunities to discover other frontiers of fundamental particles leading to the relativistic and quantum description of matter. The speed of particles faster than the speed of light could not be recognized, and matter was always described as a real number. The Context of Knowledge and Data Discovery in Highly Dense Data Points Using Heuristic Approach. College Geometry: A Discovery Approach. David C. Kay. ISBN: 0065000064. 1 study materials. Get started today for free. All Documents from College Geometry: A Discovery Approach. exam #1 2014-01-29. COMPANY. In geometry, an altitude of a triangle is a line segment through a vertex and perpendicular to (i.e., forming a right angle with) a line containing the base (the side opposite the vertex). This line containing the opposite side is called the extended base of the altitude. The intersection of the extended base and the altitude is called the foot of the altitude. The length of the altitude, often simply called "the altitude", is the distance between the extended base and the vertex. The process of drawing the altitude from the vertex to the foot is known as dropping the altitude at that vertex. ^ Kay, David C. (1993), College Geometry / A Discovery Approach, HarperCollins, p. 6, ISBN 0-06-500006-4. ^ Dorin Andrica and Dan S Îştefan Marinescu. "New Interpolation Inequalities to Euler's Ramanujan's $2r$ ".