



# Geometry for the Classroom: Exercises and Solutions

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Book Condition: New. Publisher/Verlag: Springer, Berlin | This workbook is intended for college courses for prospective or in-service secondary school teachers of geometry. It contains solutions and commentary to the numerous exercises in the accompanying workbook. | Intuition.- I1e: Geometry is about shapes.- I2e: . and more shapes.- I3e: Polygons in the plane.- I4e: Angles in the plane.- I5e: Walking north, east, south, and west in the plane.- I6e: Areas of rectangles.- I7e: What is the area of the shaded triangle?.- I8e: Adding the angles of a triangle.- I9e: Pythagorean theorem.- I10e: Side Side Side (SSS).- I12e: Rectangles between parallels and the Z-principle.- I13e: Areas: The principle of parallel slices.- I14e: If two lines in the plane do not intersect, they are parallel.- I15e: The first magnification principle: preliminary form.- I16e: The first magnification principle: final form.- I17e: Area inside a circle of radius one.- I18e: When are triangles congruent?.- I19e: Magnifications preserve parallelism and angles.- I20e: The principle of similarity.- I21e: Proportionality of segments cut by parallels.- I22e: Finding the center of a triangle.- I23e: Concurrence theorem for altitudes of a triangle.- I24e: Inscribing angles in circles.- I25e: Fun facts about circles, and limiting cases.- I26e: Degrees and radians.-...



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