

1035-A5-207

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One of the purposes of our geometry course for math majors is to develop the students' written and oral mathematical language. Another one is to foster the students' mathematical reasoning and their proper use of logical inferences. A successful and innovative assignment to assess these goals was developed for this course. Students get a sketch not on scale of a geometric figures and some of their measurements (sides, angles, etc) or a relationship between their elements (parallel lines, congruent angles, etc). For each one of them, the students are asked to write a complete and coherent paragraph describing and justifying what part of the information provided contradicts the others or contradicts known results. Rubrics were developed to assess the writing. (Received August 17, 2007)