

1106-A1-2414      **Mark A. Brown\*** (mabrown@mnu.edu). *Geometry via Student Proof Presentations.*

In Geometry, as in all branches of mathematics, effective communication is important for a thorough understanding of ideas. Too often, ideas are communicated in a one-sided way in which the instructor tells students how to follow some process. During the last three offerings of a Modern Geometry course (a required course for pre-service math teachers and an elective course for mathematics majors), I have used most of the class time for students to give proof presentations and for the class to discuss and analyze the proofs. In this session I plan to: describe a typical class session, share what I have learned from this experience, show examples of incorrect proofs that led to student learning, provide sample problem sets, and discuss grading strategies. (Received September 16, 2014)