1145-K1-269   **Cynthia J. Huffman*** (`cjhuffman@pittstate.edu`), Mathematics Department, Pittsburg State University, 1701 S. Broadway, Pittsburg, KS 66762. *Maya Mathematics in a Geometry Classroom.*

Ethnomathematics shows students how dynamic mathematics is and how the development of mathematics is a function of culture and time. This talk presents ideas of how mathematics of the classical Maya culture can be incorporated in a geometry class. In particular, we will discuss activities that the presenter has been using in an informal geometry class for pre-service middle school mathematics instructors for several years based on using a rope as a tool to construct certain ratios and right angles. The right angle construction is especially interesting since it is based on equilateral triangles unlike the ancient Egyptian method of using the converse of the Pythagorean Theorem. (Received August 27, 2018)