

1106-A1-1743 **Daniel Dobbs*** (ddobbs@huntington.edu), 2303 College Ave, Huntington, IN 46750. *The Ruler Matters.*

We present an in-class activity used in a geometry class at Huntington University. The intended audience of this class is math majors, math-education majors and middle-school math education majors who may not have taken a proofs class. The purpose of this activity is two-fold: to use circles and triangles to lead students to discover the differences between various metrics that can be applied to \mathbb{R}^n and to help students think abstractly about geometry. (Received September 15, 2014)