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Scott J Baldrige* (sbaldrid@math.lsu.edu), 224 Lockett Hall, Baton Rouge, LA 70803. *The Role of Measurement in School Geometry.*

In this talk I will discuss differences between Euclid's geometry and school geometry as taught today. In doing so, I will describe the prominent and beneficial role that measurement plays in developing geometry in grades K-12. Then I will discuss how my textbook with Thomas Parker, *Elementary Geometry for Teachers*, uses measurement to develop prospective teachers' mathematical teacher knowledge. (Received February 03, 2008)