

Meeting: 1003, Atlanta, Georgia, MAA CP G1, MAA Session on Drawing on Our Students' Thinking to Improve the Mathematical Education of Teachers

1003-G1-231 **Barbara J Pence*** (pence@math.sjsu.edu), Barbara J. Pence, Department of Math, San Jose State Univ, San Jose, 95192. *Reasoning, Visualization and Investigations in Intuitive Geometry for Prospective Elementary School Teachers*. Preliminary report.

Construction of an informal geometry experience for prospective elementary school teachers is complex. Today, there exists rich technological environments to help students think about geometric relationships. But, the opportunities provided by the technology are matched by the challenges to the teacher. How do teachers use the technology as a window to the thinking and understandings of their students? (Received August 31, 2004)