

1125-N1-1969 **Hayley Milbourne*** (hmilbourne@sdsu.edu). *The Lead TA Influence: A Case Study on How the Lead TA Influences the Teaching Practices of Other GTAs*. Preliminary report.

Across the nation, there is increased national interest in improving the way mathematics departments prepare their GTAs. In particular, this research focuses on how the mentor GTAs in the graduate teaching assistant program under consideration share effective teaching practices and how this affects changes in the teaching practice of GTAs. I will report preliminary results on how the focus of particular teaching practices of mentor GTAs (known as lead TAs) change over the period of one term through their participating in professional development. With an understanding of the differences and the similarities between the focuses of the lead TAs, an analysis of the differences between the Calculus I and II GTAs will become more apparent. The research that will be presented here represents the start of an increased understanding of how GTAs form their own teaching practices. (Received September 19, 2016)