

1067-Z5-1245

Sarah L. Marsh* (sarah.marsh@ou.edu), Department of Mathematics, University of Oklahoma, 601 Elm Avenue, PHSC 423, Norman, OK 73019. *An Exploration of the Transition to Graduate School in Mathematics*. Preliminary report.

In recent years, much attention has been given to the new mathematics graduate student as a mathematics instructor. But, what other factors influence a student's transition into graduate school in mathematics? As students make the transition into graduate school in mathematics, they often face academic struggles, work to meet professors' and programs' expectations, and search for strategies to deal with this new chapter in their academic experience. This talk will present preliminary results and analysis from an interview-based qualitative study designed to explore these aspects of the transition to graduate school in mathematics. We will discuss some areas of the transition to graduate school arising from the data that may impact recruitment, retention, and protocols for graduate programs in mathematics. (Received September 20, 2010)