

1056-Q1-1803 **Nermin Tosmur - Bayazit*** (nbayazit@gsu.edu), 30 Pryor Street, Suite 609, Atlanta, GA
30302. *How Prospective Mathematics Teachers Define Mathematical Definitions*

This study investigated prospective mathematics teachers' conceptions of mathematics, proof and mathematical definition. Individual interviews were conducted with seven prospective mathematics teachers for data collection. The results of the study revealed that participants struggle with the basic terminology related to proof and mathematical definition. Moreover, the way prospective mathematics teachers define mathematical definition was dramatically different than a mathematician's definition of the term. (Received September 22, 2009)