

1046-Z1-1958 **Ian Whitacre*** (ianwhitacre@yahoo.com), Department of Mathematics and Statistics, San Diego State University, 5500 Campanile Drive, GMCS 415, San Diego, CA 92182. *A Simple Geometer's Sketchpad Sketch for Exploring Ideas of Function.*

This presentation addresses the need for demonstrations and strategies with technology that enhance teaching and learning of mathematics. The presenter will describe and demonstrate an interactive lesson around ideas of function from a conceptual course in algebra and rates of change. The presenter will demonstrate the use of a simple Geometer's Sketchpad Sketch of a position-time graph, including questions that ask students to make predictions and to justify their conjectures. The lesson addresses ideas of function and, in particular, the vertical line test. This lesson has been used with preservice teachers. It would also be suitable for use with in-service teachers or secondary school students. (Received September 16, 2008)