



Teaching and Learning of Mathematics

Department of Mathematics
University of West Georgia

Tuesday November 28, 2017

4:30

Room 200 - COE

Presenter: Mohammad A. Yazdani, Ph.D.

Utilizing Elementary Algebraic & Trigonometric Functions to Create Simple Animations in a Pre-service Teacher Education Technology Environment.

Abstract:

In this presentation we will introduce some activities to utilize pre-service teachers' skills of graphing algebraic and trigonometric functions to generate a number of static and moving objects. The activities will provide the participants with the opportunity to review such mathematical concept as Cartesian coordinate system, slope, equation of a line, equation of a circle, amplitude, period, phase shift, as well as the graphs of algebraic and trigonometric functions. In addition, the participants will employ instructional technologies such as graphing calculator and computer software to design and create a variety of interesting objects.

The objective is to employ these activities in k-12 mathematics classes and inspire the students in learning of mathematics.

All are welcome.