

Introduction

Objectives:

The student will investigate connections and interplay among various mathematical topics and their applications so that all students can:

- recognize equivalent representations of the same concept;
- relate procedures in one representation to procedures in an equivalent representation;
- use and value the connections among mathematical topics;
- use and value the connections between mathematics and other disciplines.

Connections to TEKS:

111.31(a)(b)(1)(3)(c)

111.33(a)(b)(2)(3)

111.34(a)(b)(2)(3)(c)(d)(2)(e)(f)

111.35(b)(c)(1)(A)(2)(A)(3)(4)(6)

111.36(b)(c)(1)(2)(8)(9)

Prerequisites:

Algebra II, Geometry

Materials:

- graph paper
- pencil
- ruler
- calculator

Instructional Game Plan:

This is intended as an out-of-class activity.

Estimated Time:

Varies by activity and level of students.

Resources:

Ellen Moreland

Angelo State University

Ellen.Moreland@angelo.edu