



Pre-calculus 30 Term Project

Name: _____

Throughout the term you will be introduced to a variety of functions each with their own unique geometry. The transformation of these graphs allows the shapes to move around the Cartesian plane.

Your task will be to *re-create a piece of artwork* (of some type: painting, picture, cartoon, logo, etc.) using the functions that we've studied in the course. Mimicking a piece will force you to think about which graph best fits certain attributes, and also give you a completion point. **You are not allowed to produce a piece of original art.** (Deal with it).

Before you set out designing functions, you **need** to have your artwork cleared by the teacher. Once you have been given the *okay*, you can start re-creating the piece. You will save your work directly on Desmos using your school Google account.

You need to include around *100 functions* to complete the piece. This is the minimum. It sounds like a lot, but it goes very quickly. To create the piece, you will be using Desmos.com; an activity will take you through the process of creating lines with functions.

This project will have a negotiated deadline. You will email me a link to submit your assignment. We will talk about these details as the deadline draws nearer.

Assessment Criteria:

- Appropriate Challenge
- Congruence to Original
- Overall Appearance
- Variety of Functions