Linear Systems and Statistics

Transformation Project

Requirements for project:

1) Construct a shape that has at least five defining points. Your shape should be related to you SLC in some way, which you will document.

2) Digitize the shape.

3) Place these coordinates in a matrix.

4) Perform and Document at least two types of transformations (rotation, reflection, translation, dilation, etc.)

5) At least two new matrices must be generated for you project.

6) Complete a written description of the changes in your shape.

7) Present your product to the class.

**Transformation Project Rubric: Possible Received**

Accurate Matrices \_\_\_20\_\_\_\_\_ \_\_\_\_\_\_\_\_

Two or more Transformations \_\_\_20\_\_\_\_\_ \_\_\_\_\_\_\_\_

Shapes are accurate to given matrices \_\_\_10\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

Following Directions \_\_\_20\_\_\_\_\_ \_\_\_\_\_\_\_\_

Creativity/SLC \_\_\_10\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

Written description of project \_\_\_10\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

Presentation to class \_\_\_10\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

**Total Points** \_\_\_\_\_/100