**Name: Date: Block:**

**Parent Signature:**

Project: Transformation Animation!!

**Due Wednesday May 25th**

You will create your very own animation on a coordinate grid! Your flipbook animation must contain at least 5 pages of graphs. Using graph paper, carefully plan where to draw your coordinate plane. Try to keep the animation simple. Be creative and have fun! Include the original picture and at least one Translation, Reflection, Rotation, and Dilation in your flipbook. The shape that you transform needs to have at least 10 coordinates.

Checklist:

\_\_\_\_\_\_ At least 5 different slides/ graphs and a title page. (10 points)

\_\_\_\_\_\_ Translation: How many units was the shape moved horizontally and vertically? (2 points)

\_\_\_\_\_\_ Label 10 of the coordinates before and after the translation. (20 points)

\_\_\_\_\_\_ Reflection: Identify the line of Reflection that the shape was flipped over. (2points)

\_\_\_\_\_\_ Label 10 of the coordinates before and after the reflection. (20 points)

\_\_\_\_\_\_ Rotation: Rotate the shape and Identify how many degrees it was rotated. (2 points)

\_\_\_\_\_\_ Label 10 of the coordinates before and after the rotation. (20 points)

\_\_\_\_\_\_ Dilation: Identify the scale factor used in your dilation. (2 points)

\_\_\_\_\_\_ Label 10 of the coordinates before and after the dilation. (20 points)

\_\_\_\_\_\_ Color your Animation (2 points)

\_\_\_\_\_\_ Parent Signature (5 points)

Grade:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_