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:_____