

Transformations Project

Part 1: Translations

- 1) Draw and number a coordinate plane with a ruler.
- 2) Create a figure made up of at least 5 pts. and connected with straight lines.
- 3) Translate this figure two times correctly.
- 4) Label all points with letters.
- 5) Label all points with ordered pairs. (x,y)
- 6) Color!

*Please make sure you do this as neatly as possible. There will be points for neatness.

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Part 2: Reflections

- 1) Draw and number a coordinate plane with a ruler.
- 2) Create a figure in Quadrant 1 made up of at least 8 pts. and connected with straight lines.
- 3) Reflect figure into Quadrants 2, 3, and 4.
- 4) Label all points with ordered pairs. (x,y)
- 5) Color!

*Please make sure you do this as neatly as possible. There will be points for neatness.

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Part 3: Rotations

- 1) Draw and number a coordinate plane with a ruler.
- 2) Create a figure in Quadrant 1 made up of at least 5 pts. and connected with straight lines.
- 3) Rotate figure 90, 180, and 270 degrees.
- 4) Label all points with ordered pairs. (x,y)
- 5) Color!

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Part 4: Dilations

- 1) Draw and number a coordinate plane with a ruler.
- 2) Create a figure in made up of at least 10 pts. and connected with straight lines.
- 3) Dilate figure by 2 and then by $\frac{1}{2}$.
- 4) Label all points with ordered pairs. (x,y)
- 5) Color!

*Please make sure you do this as neatly as possible. There will be points for neatness.

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