Geometry ID: 1

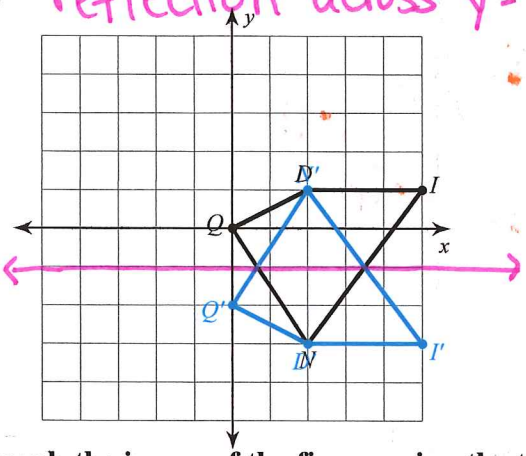
Name _____

Reflections, Rotations, & Translations NOTES

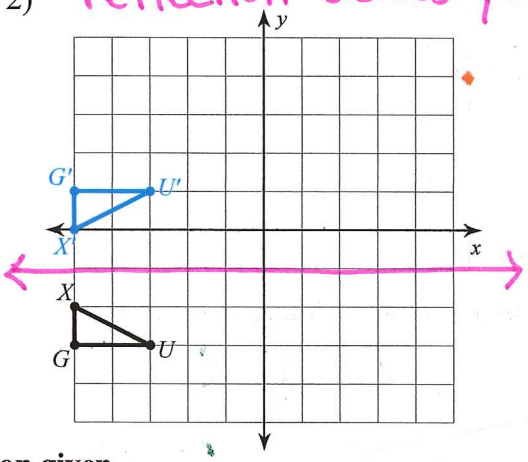
Date _____ Hr ____ Day 2

Write a rule to describe each transformation.

1) reflection across $y = -1$

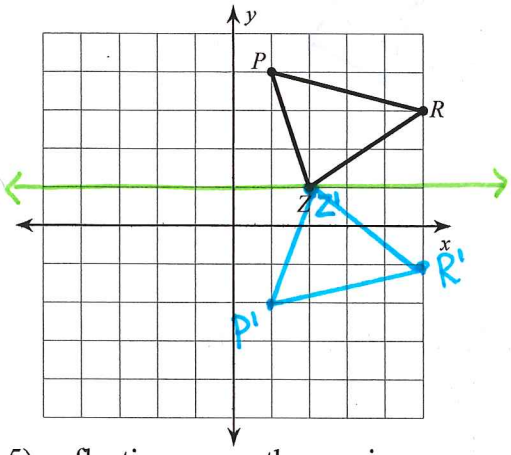


2) reflection across $y = -1$

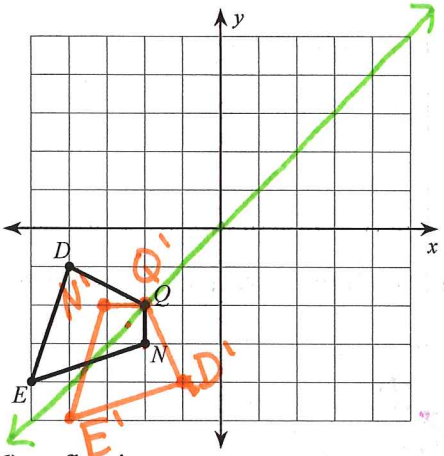


Graph the image of the figure using the transformation given.

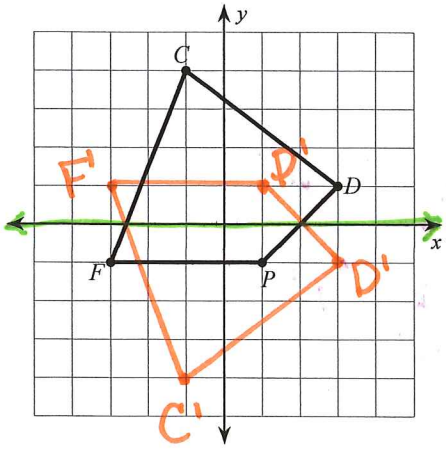
3) reflection across $y = 1$



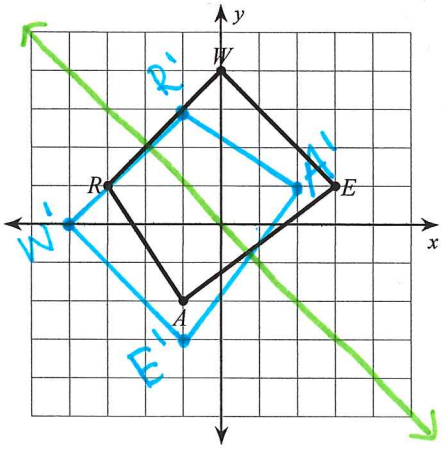
4) reflection across $y = x$



5) reflection across the x-axis

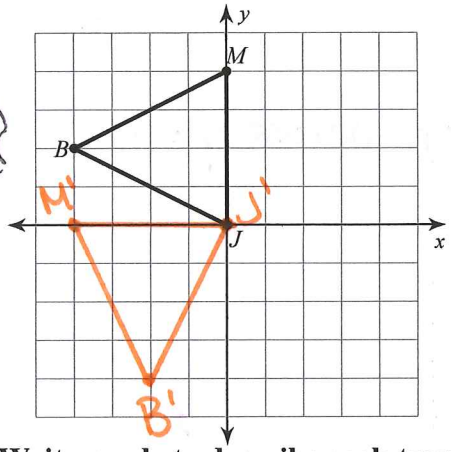


6) reflection across $y = -x$



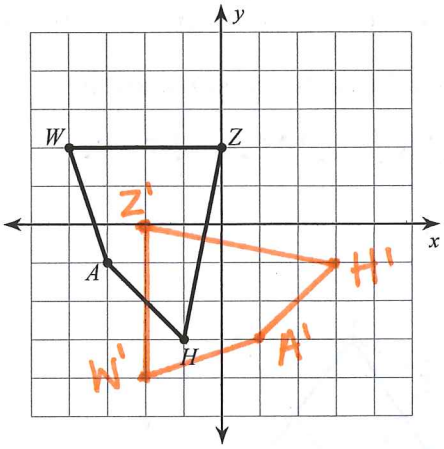
CCW ↺ CW ↻ if it only says "about the origin" go clockwise

7) rotation 90° counterclockwise about the origin



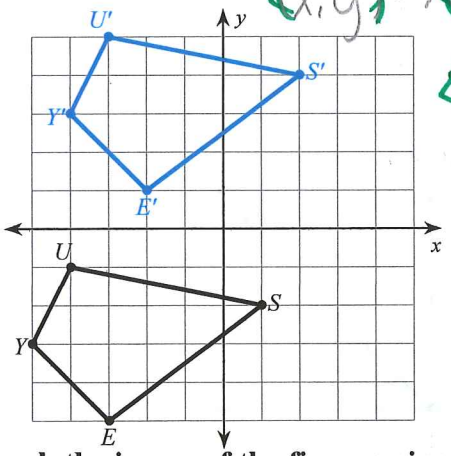
use patty paper

8) rotation 90° counterclockwise about the origin



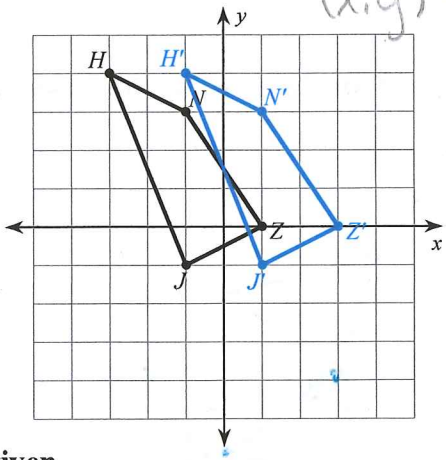
Write a rule to describe each transformation.

9) $(x, y) \rightarrow (x+1, y+6)$



⟨1, 6⟩

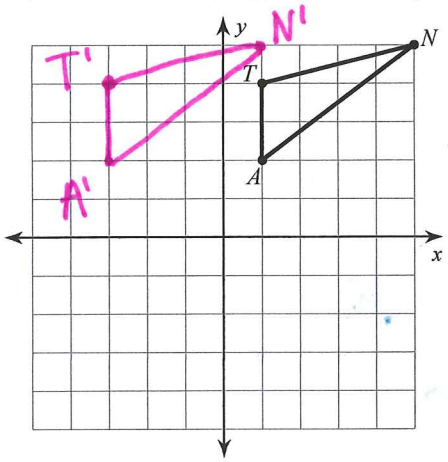
10) $(x, y) \rightarrow (x+2, y)$



⟨2, 0⟩

Graph the image of the figure using the transformation given.

11) translation: $(x, y) \rightarrow (x-4, y)$



12) translation: $(x, y) \rightarrow (x+4, y-7)$