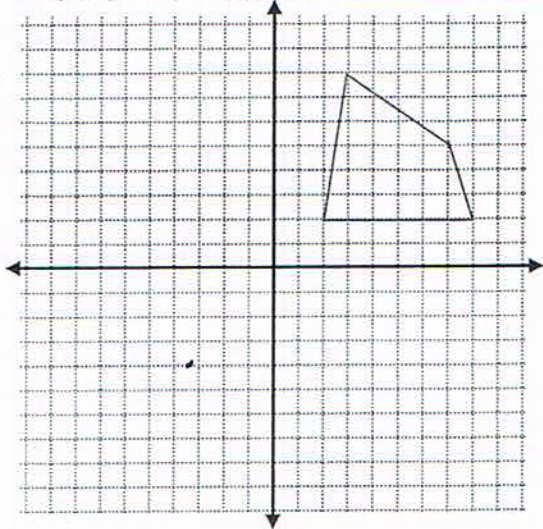


Isometry Practice

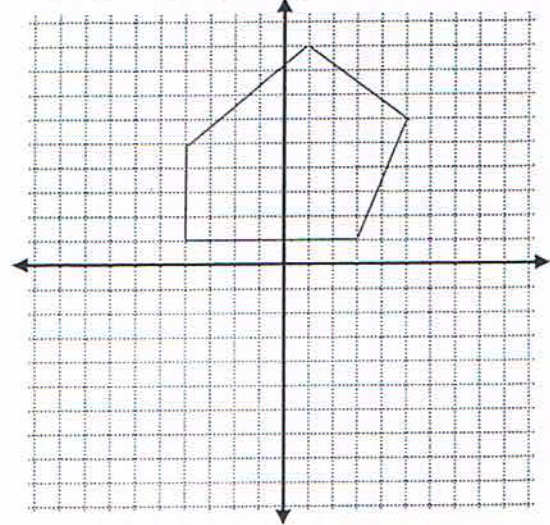
Name _____

Write the coordinates of each vertex. Then, follow the ordered pair rule and change each coordinate. Then, plot the image points, draw in the sides and shade the image. Describe the type of transformation.

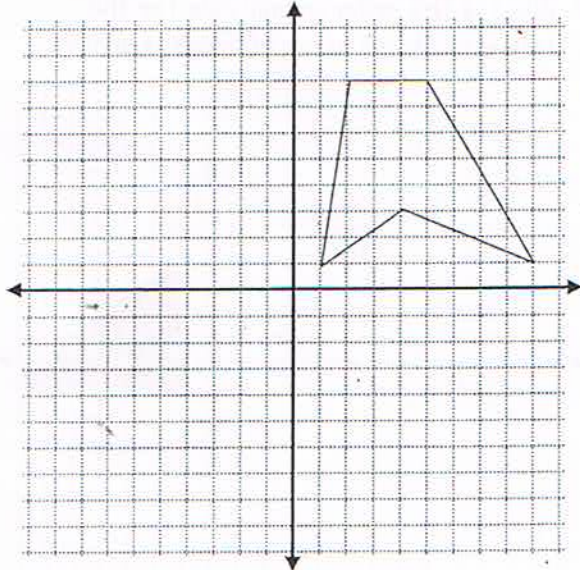
1. $(x, y) \rightarrow (-x, y)$ Type? _____



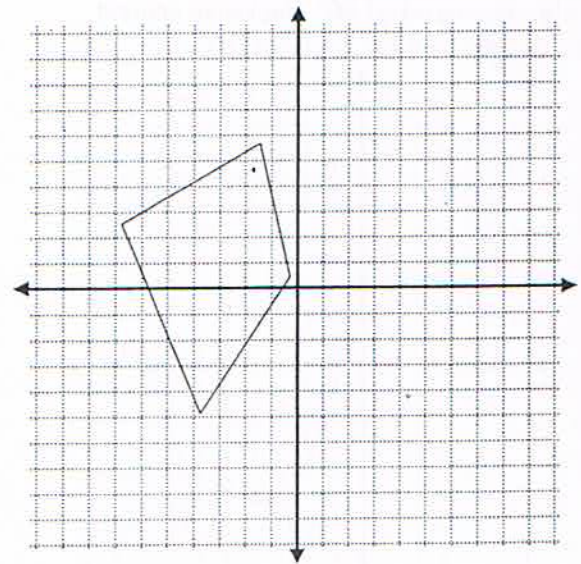
2. $(x, y) \rightarrow (x, -y)$ Type? _____



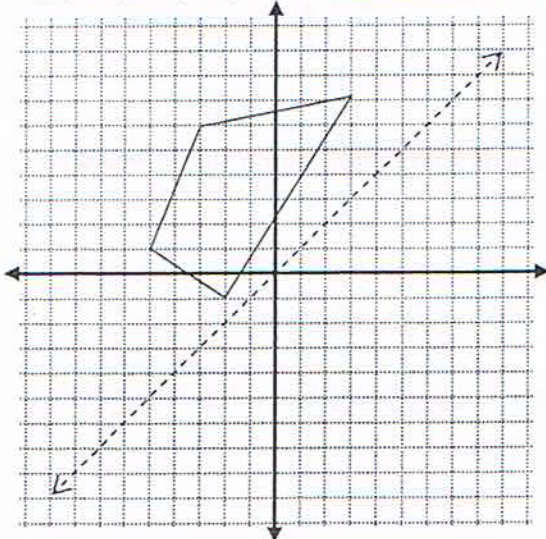
3. $(x, y) \rightarrow (-x, -y)$ Type? _____



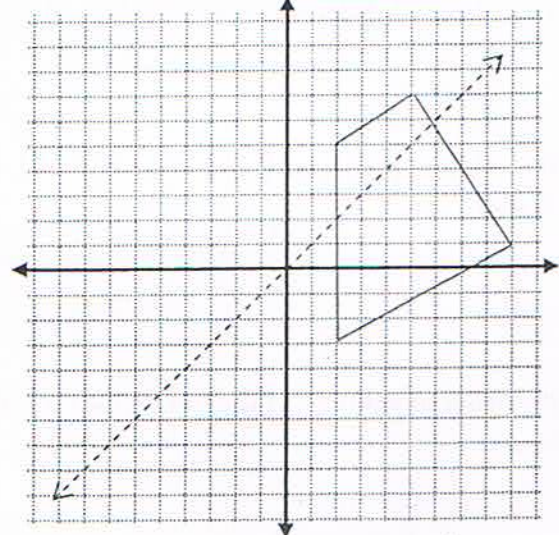
4. $(x, y) \rightarrow (-x, -y)$ Type? _____



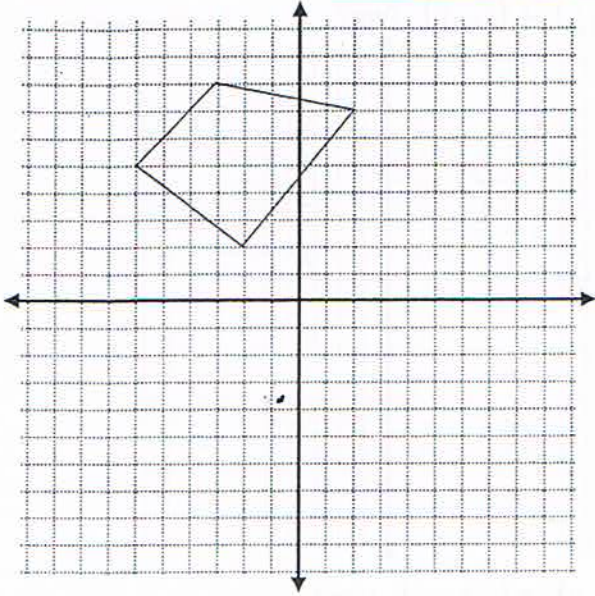
5. $(x, y) \rightarrow (y, x)$ Type? _____



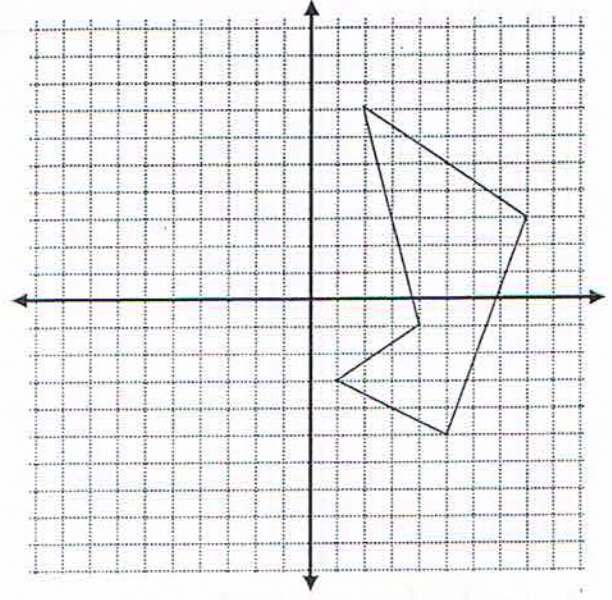
6. $(x, y) \rightarrow (y, x)$ Type? _____



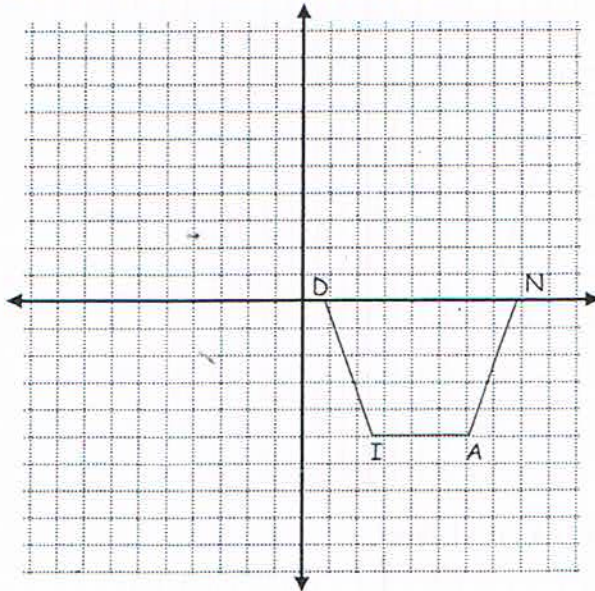
7. $(x, y) \rightarrow (x, y - 6)$ Type? _____



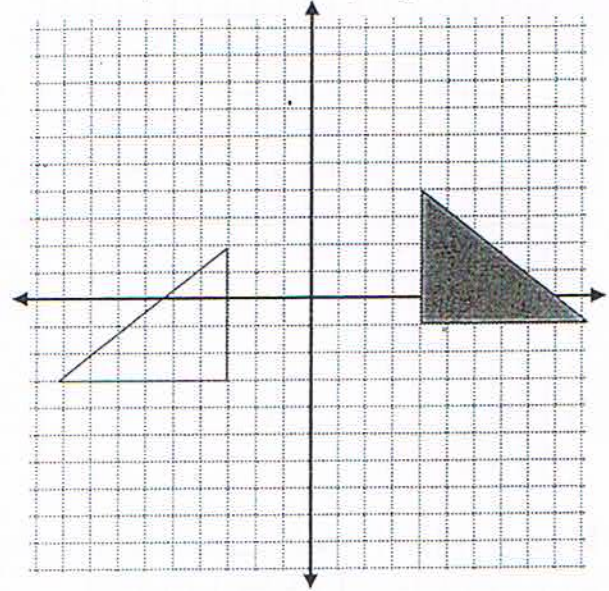
8. $(x, y) \rightarrow (x - 4, y + 1)$ Type? _____



9. If DIAN were rotated 90° clockwise around the origin, where would A' be located?



10. What is the ordered pair rule for the isometry shown below? (Image is shaded)



11. Given the ordered pair rule, $(x, y) \rightarrow (-x, y - 6)$, describe in words specifically how a figure would be transformed.

12. Given the ordered pair rule, $(x, y) \rightarrow (x + 2, -y)$, describe in words specifically how a figure would be transformed.