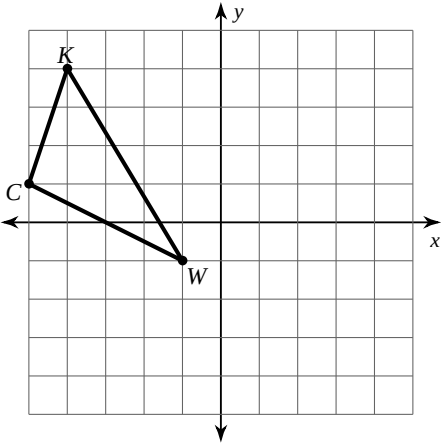


Reflections and Translations Take Home Quiz

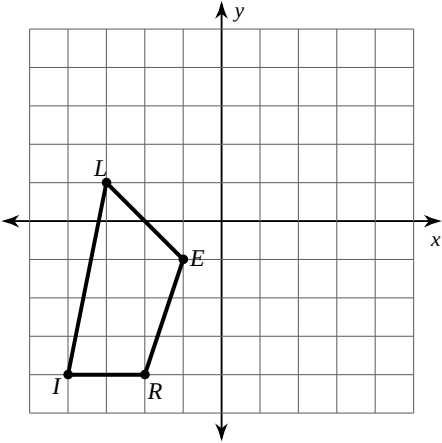
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Graph the image of the figure using the transformation given.

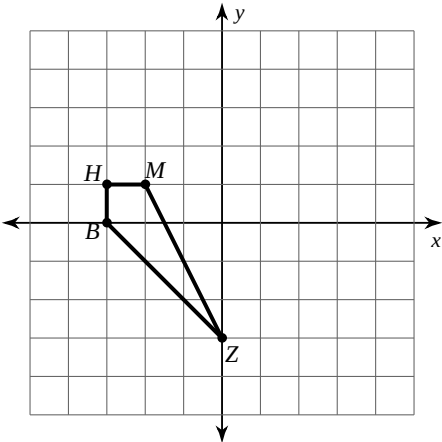
1) reflection across the x-axis



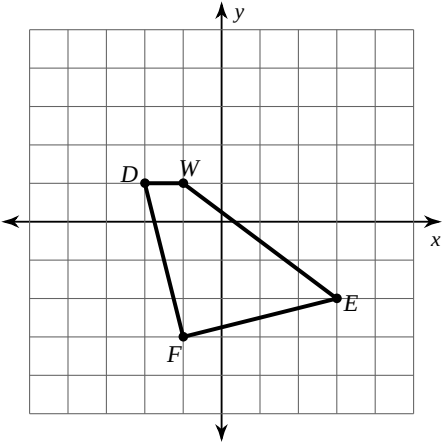
2) translation: 4 units up



3) reflection across the y-axis

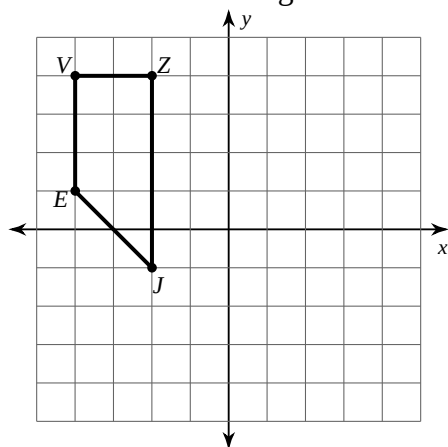


4) translation: 1 unit left and 2 units up

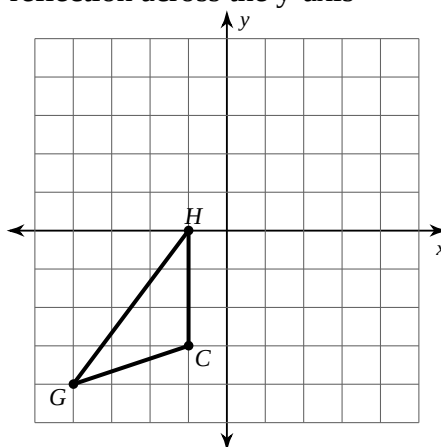


Find the coordinates of the vertices of each figure after the given transformation.

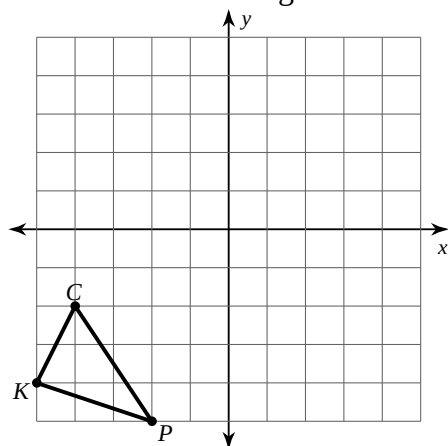
5) translation: 2 units right and 3 units down



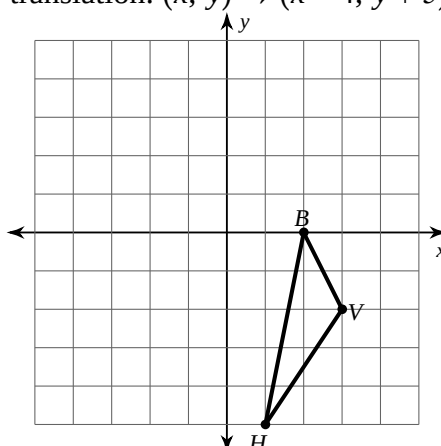
6) reflection across the y-axis



7) translation: 3 units right

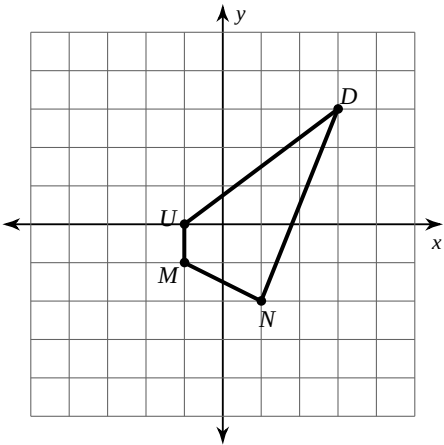


8) translation: $(x, y) \rightarrow (x - 4, y + 5)$

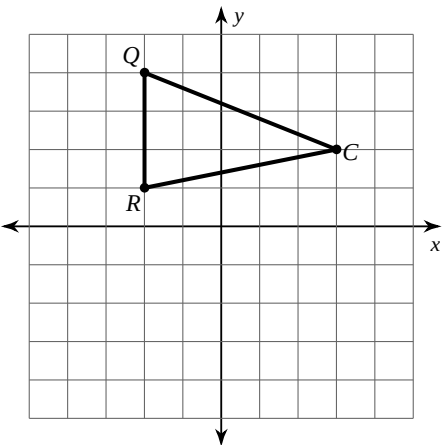


Graph the image of the figure using the transformation given.

9) translation: 4 units left and 1 unit down

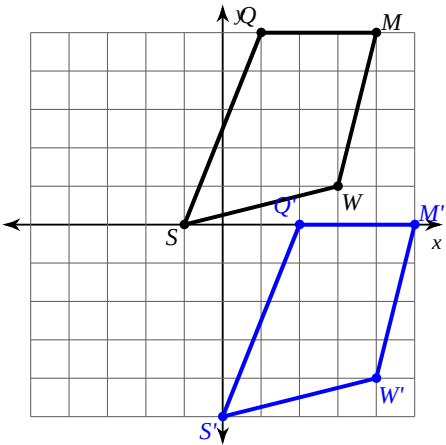


10) reflection across the x-axis

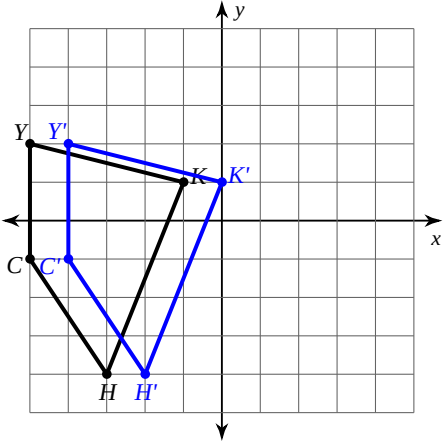


Write a rule to describe each translation. Use arrow notation.

11)

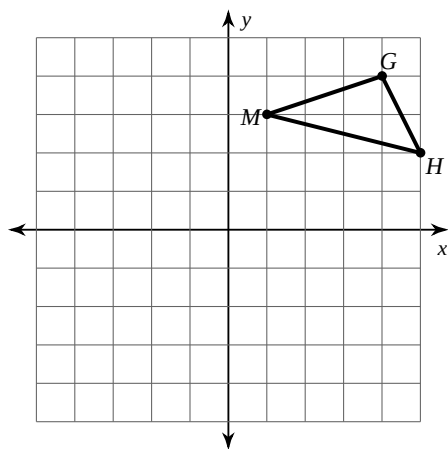


12)

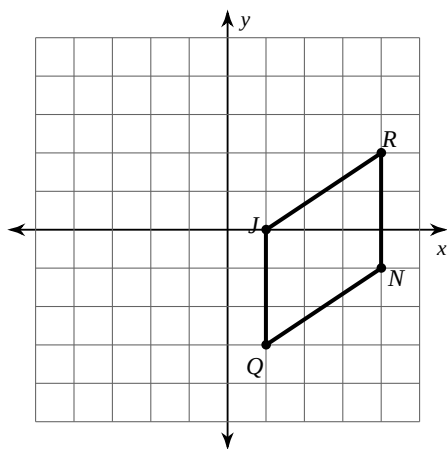


BONUS: Graph the image of the figure using the transformation given.

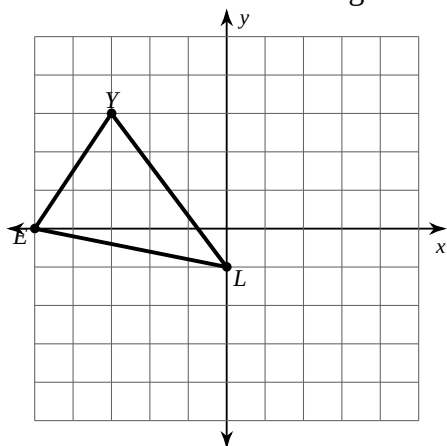
- 13) rotation 90° counterclockwise about the origin



- 14) rotation 90° counterclockwise about the origin



- 15) rotation 180° about the origin



- 16) rotation 180° about the origin

