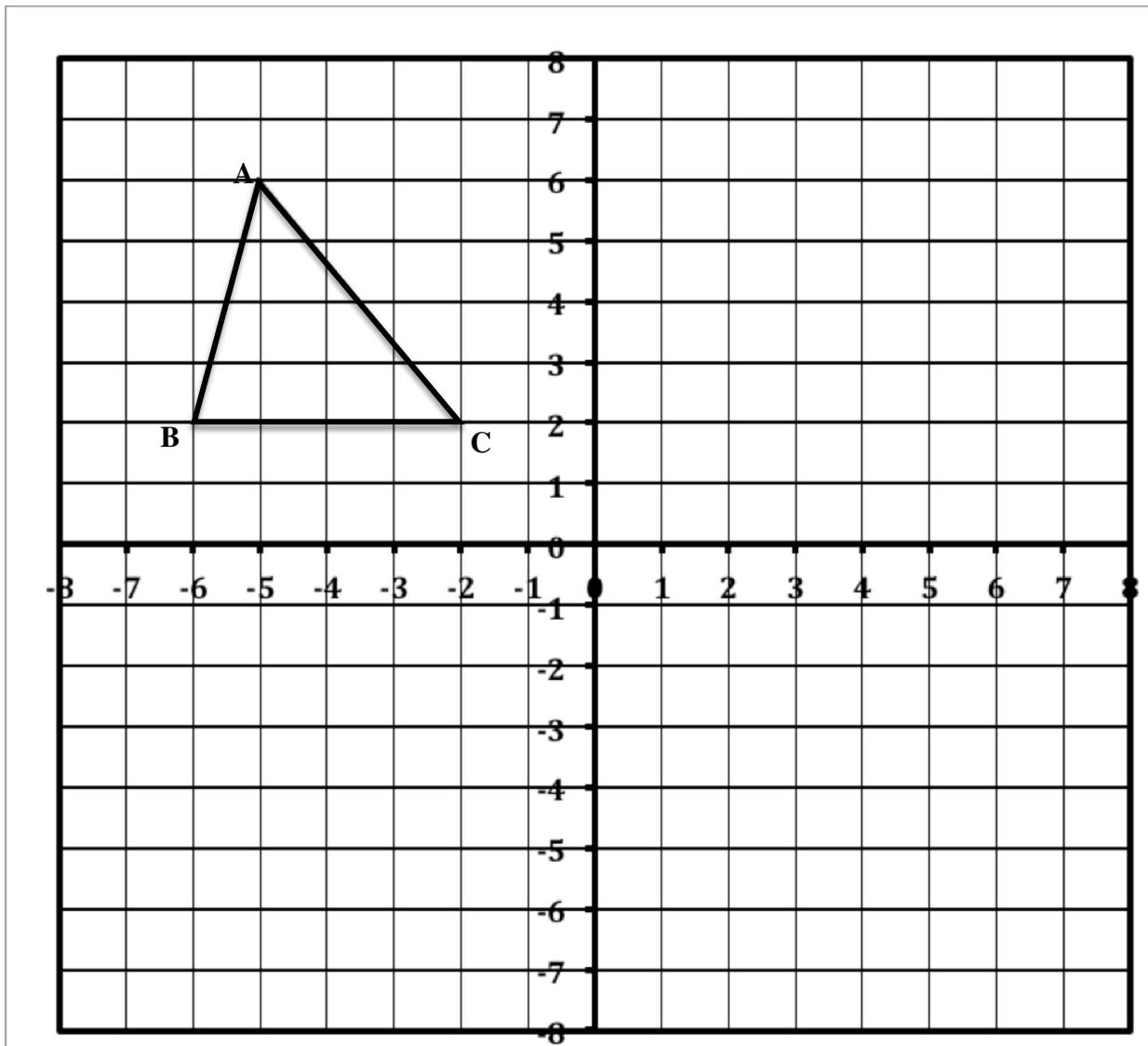# M.C. Escher

M. C. Escher was a Dutch graphic artist. He is known for his often mathematically inspired tessellation drawings. M. C. Escher started his drawings using transformations. There are three basic transformations: reflections, translations and rotation. On the grid below is ΔABC.

1. Draw an image of ΔABC reflected across the y-axis on the coordinate grid above.

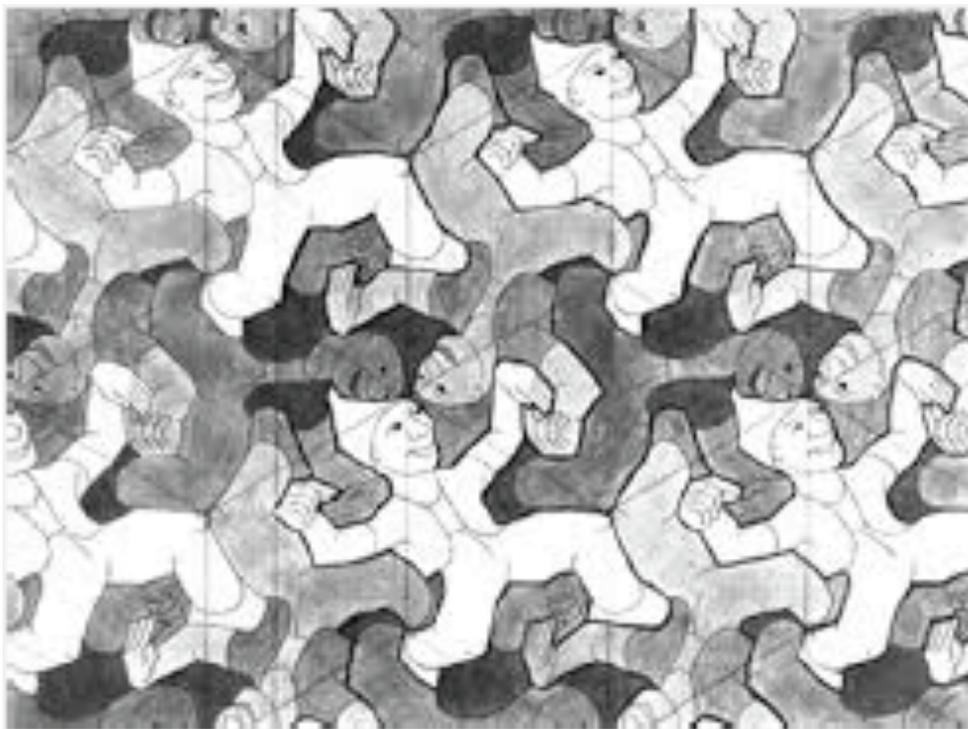2. What are the coordinates of the vertices of the new reflected image?

3. Draw an image of the original ΔABC rotated 90º counter-clockwise about the origin on the same coordinate grid.

4. What are the coordinates of the vertices of the new rotated image?

_____

5. Draw an image of the original ΔABC translated (6, -9) on the same coordinate grid.

What are the coordinates of the new translated image?

_____

6. This is an M.C. Escher drawing.

What transformation is used to create the drawing?

_____

Explain how you know.

_____

_____

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