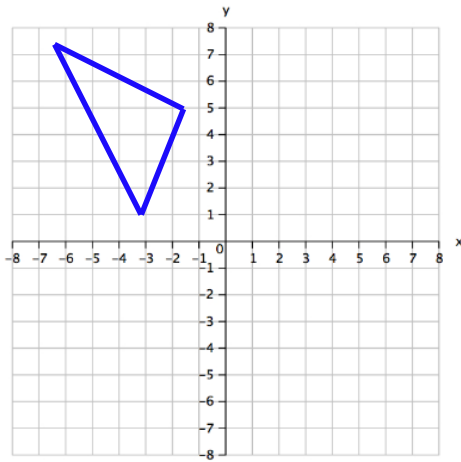


Transformations – Rotations, reflections, translations

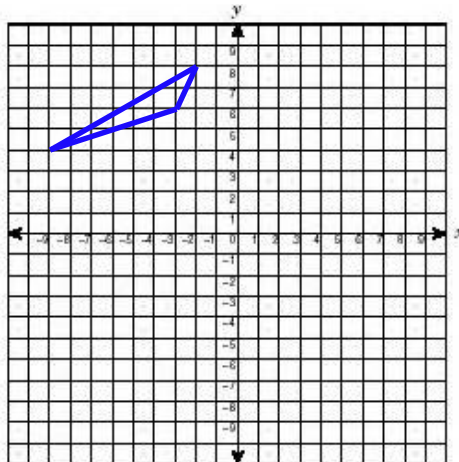
Name _____ Per _____

Draw the triangle after the transformations. Shade the image.

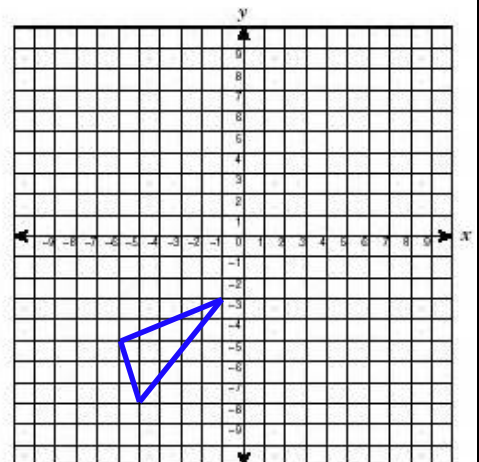
1. Rotate the triangle 90° clockwise around $(0, 0)$.



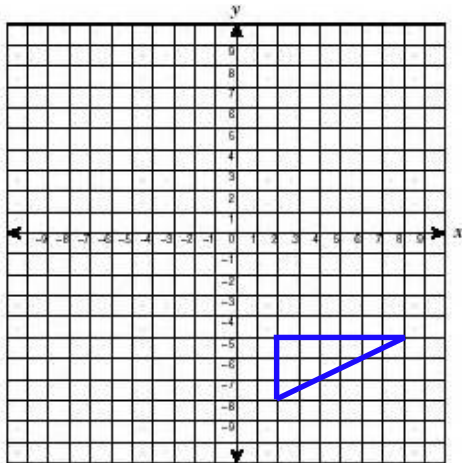
2. Rotate the triangle 180° clockwise around $(0, 0)$.



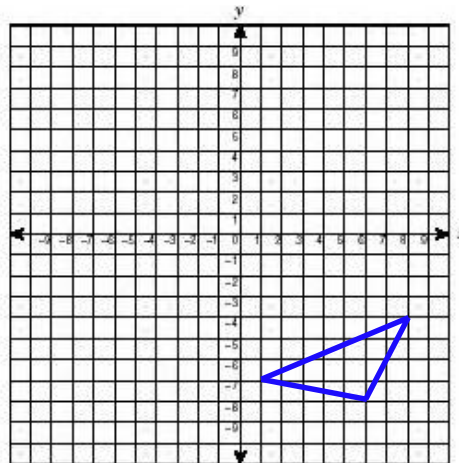
3. Rotate the triangle 270° clockwise around $(0, 0)$.



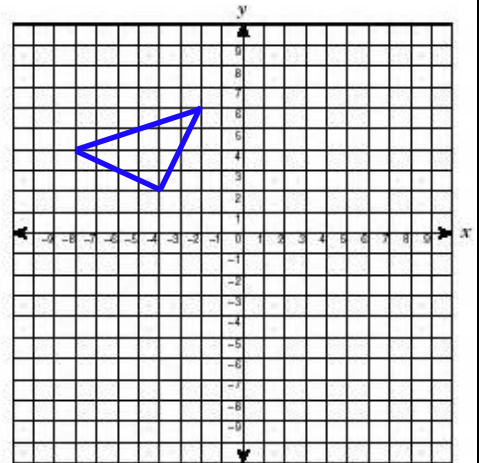
4. Rotate the triangle 90° counter clockwise around $(0, 0)$.



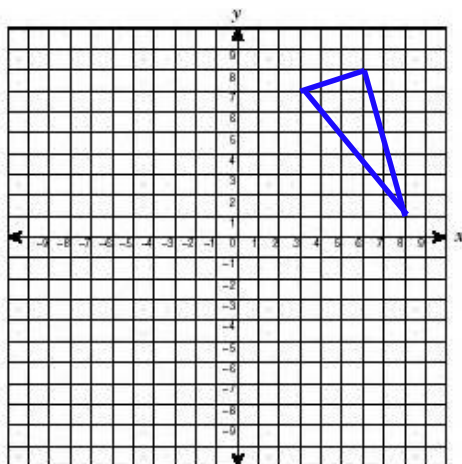
5. Rotate the triangle 270° counter clockwise around $(0, 0)$.



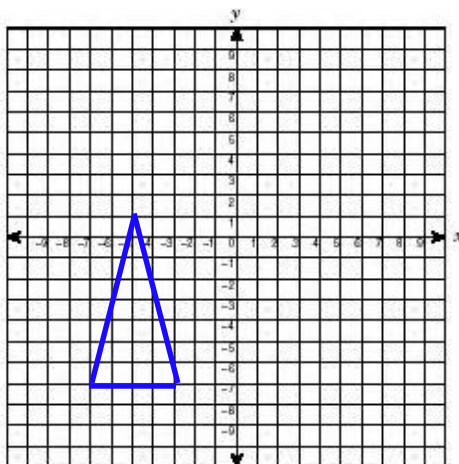
6. Reflect the triangle over the line $y = x$.



7. Apply the translation to the triangle: $(x, y) \rightarrow (x - 7, y - 3)$.



8. Reflect the triangle over the y-axis.



9. Reflect the triangle over the x-axis.

