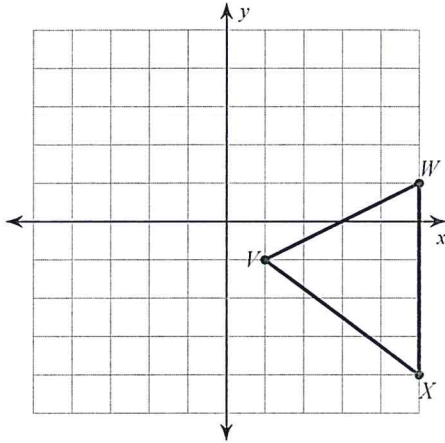


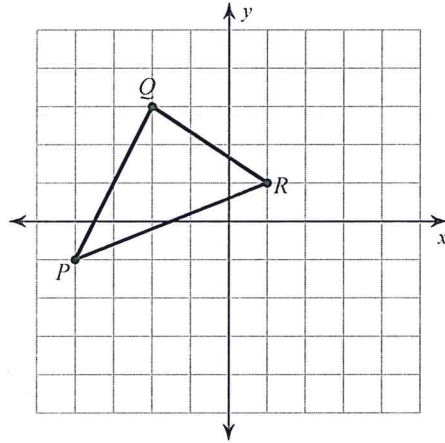
Use patty paper to trace then rotate the figure as indicated.

Graph the image of the figure using the transformation given.

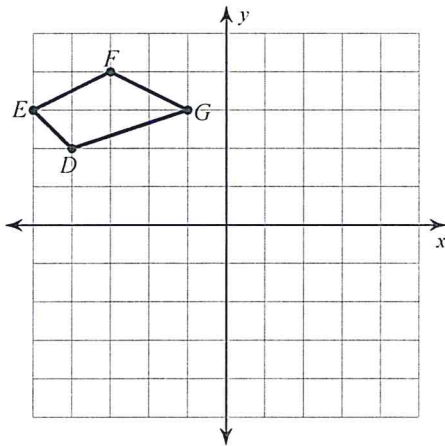
1) rotation 90° counterclockwise about the origin



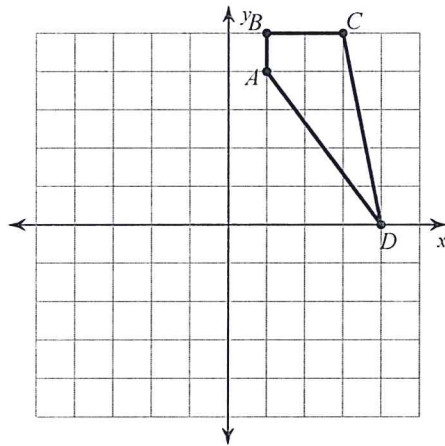
2) rotation 180° counterclockwise about the origin



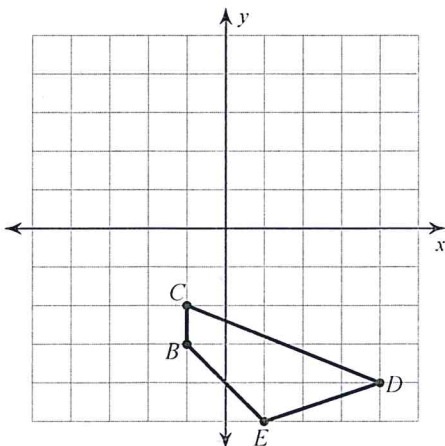
3) rotation 180° about the origin



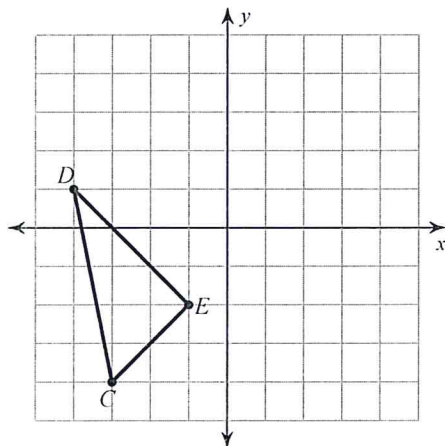
4) rotation 270° about the origin



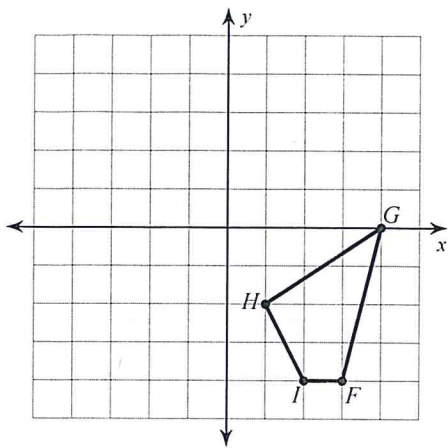
5) rotation 90° counterclockwise about the origin



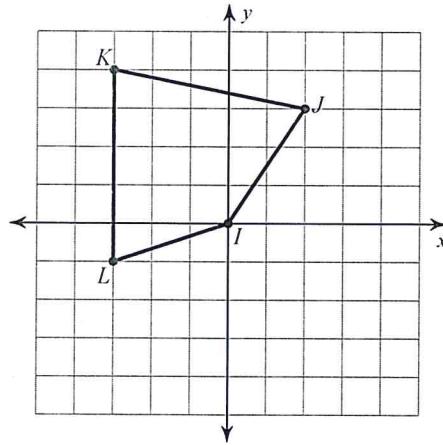
6) rotation 90° counterclockwise about the origin



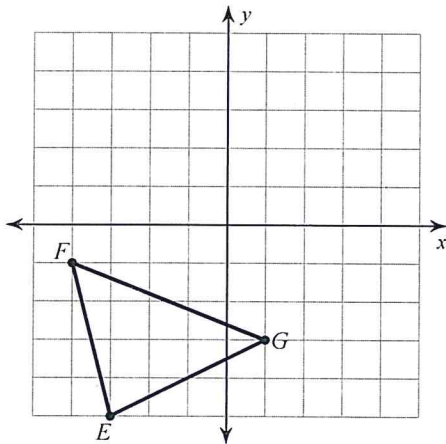
7) rotation 90° counterclockwise about the origin



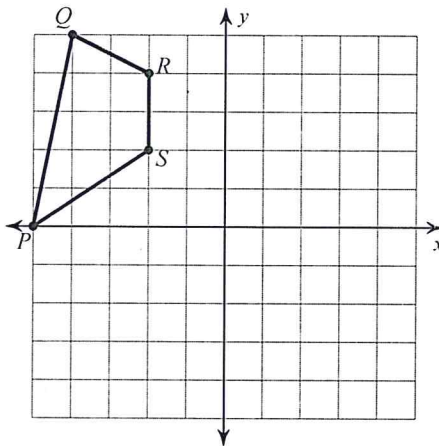
8) rotation 270° about the origin



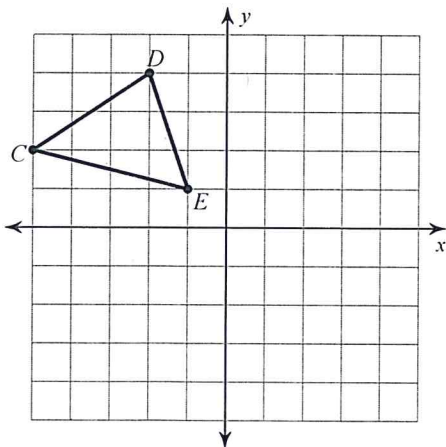
9) translation: $(x, y) \rightarrow (x - 1, y + 3)$



10) translation: $(x, y) \rightarrow (x + 7, y - 2)$



11) reflection across the x-axis



12) reflection across $x = -1$

