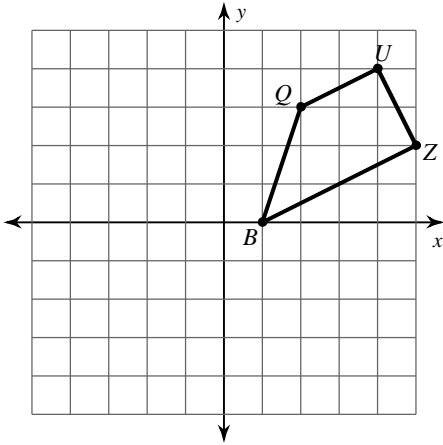


Basic Rigid Motions

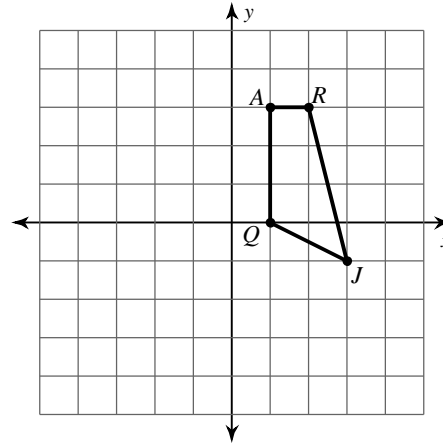
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Graph the image of the figure using the transformation given.

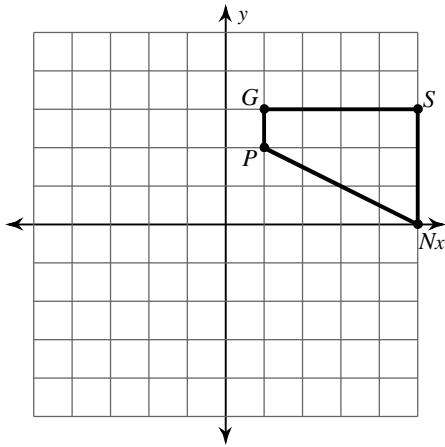
1) reflection across $x = 1$



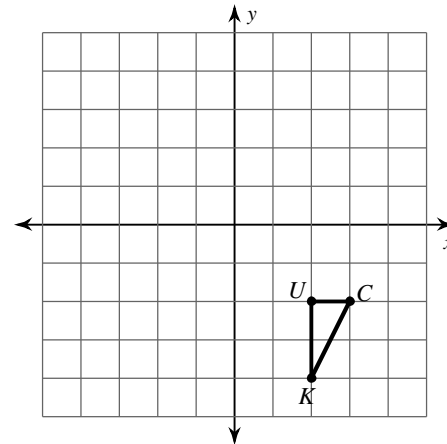
2) rotation 90° counterclockwise about the origin



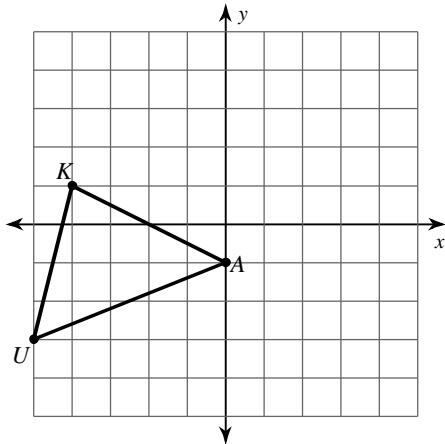
3) rotation 180° about the origin



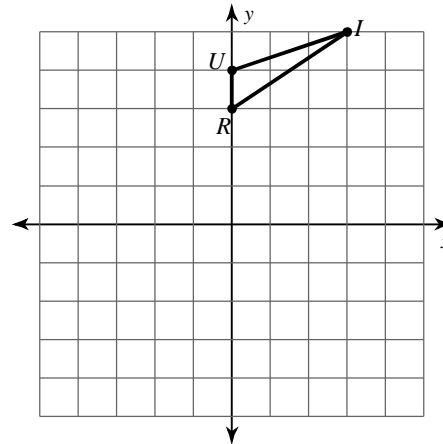
4) reflection across $x = -1$



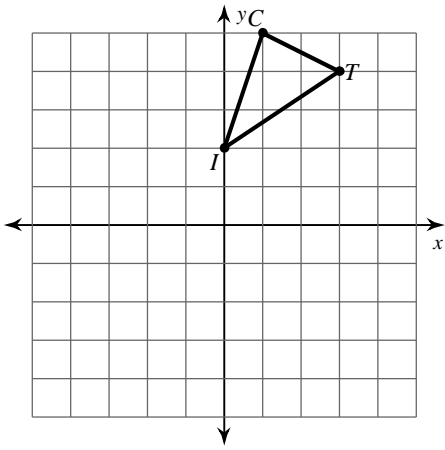
5) translation: 3 units right and 2 units up



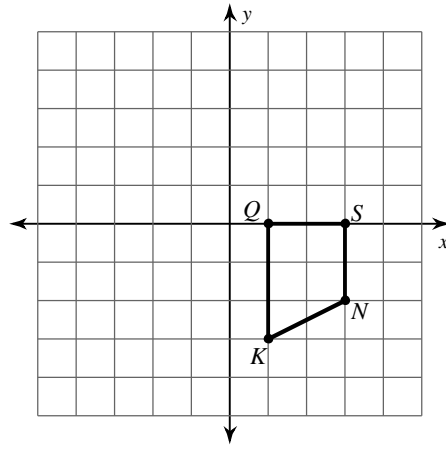
6) rotation 180° about the origin



7) reflection across the y-axis

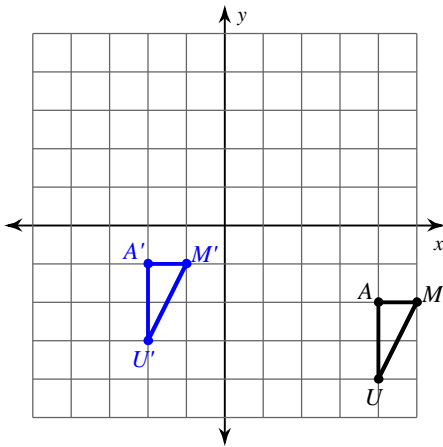


8) translation: 3 units left and 2 units up

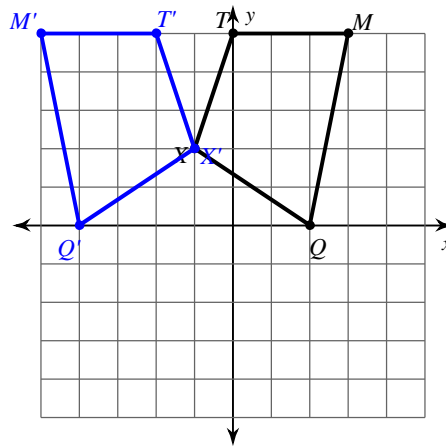


Write a rule to describe each transformation.

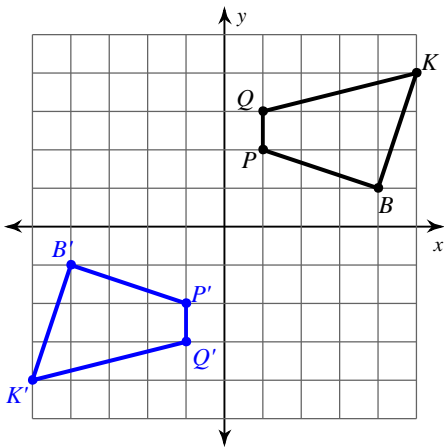
9)



10)



11)



12)

