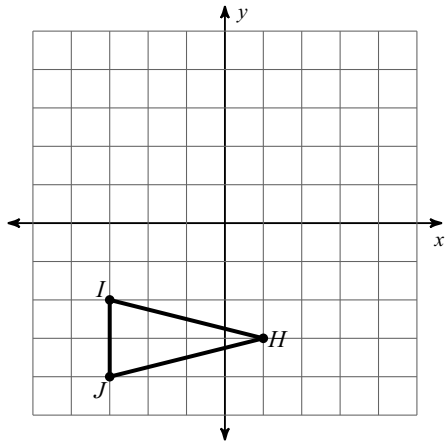


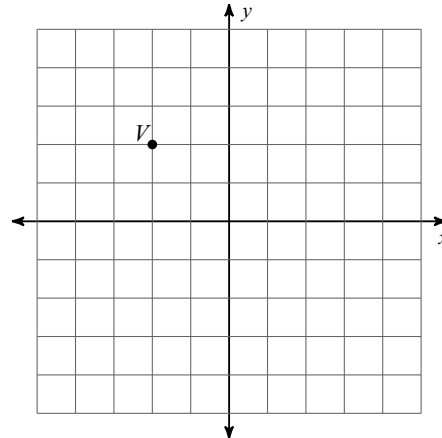
Transformation Review Day

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

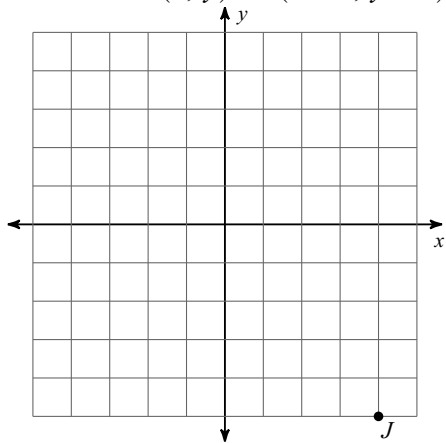
1) translation: 2 units left and 4 units up



2) translation: $(x, y) \rightarrow (x, y + 3)$

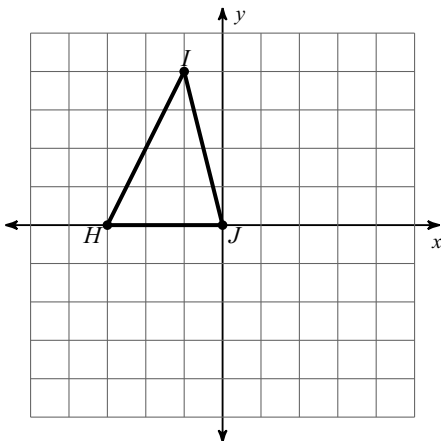


3) translation: $(x, y) \rightarrow (x - 1, y + 1)$

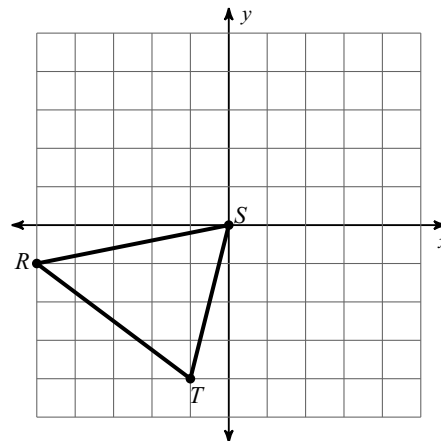


Graph the image of the figure using the transformation given.

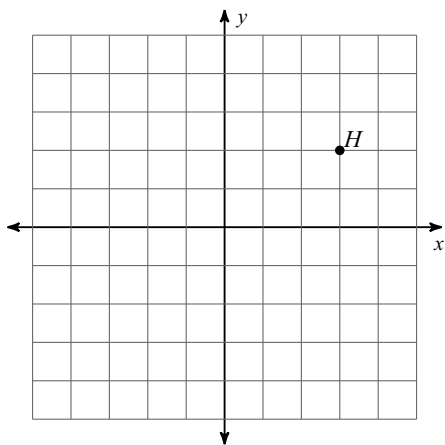
4) reflection across the x-axis



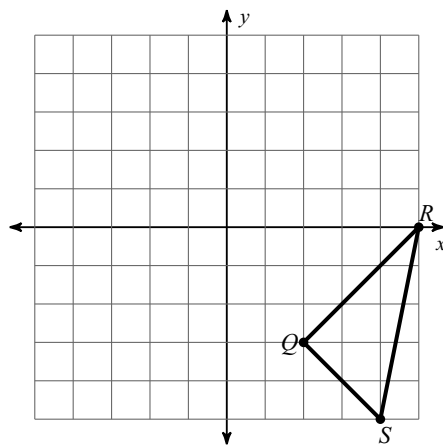
5) reflection across the y-axis



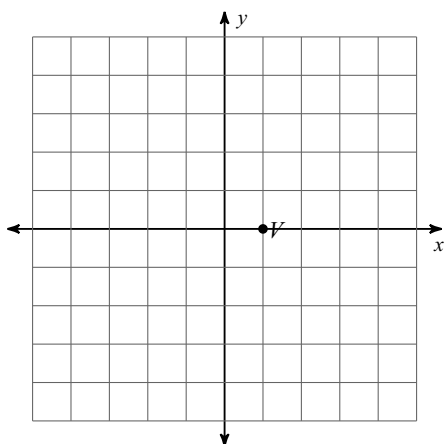
6) reflection across $y = -1$



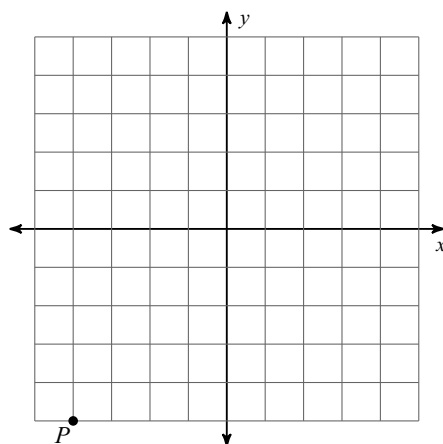
7) reflection across $x = 3$



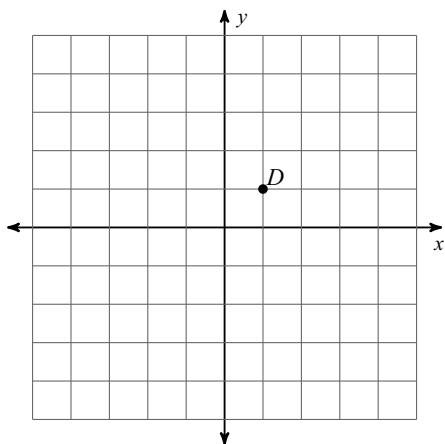
8) reflection across $y = x$



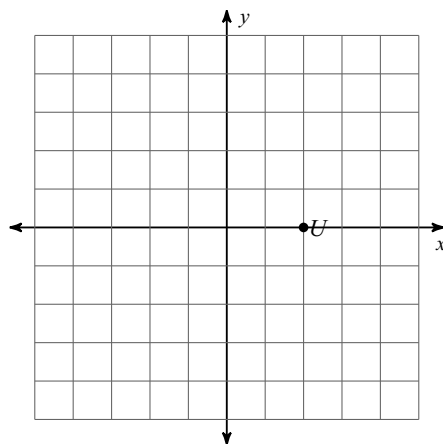
9) reflection across $y = -x$



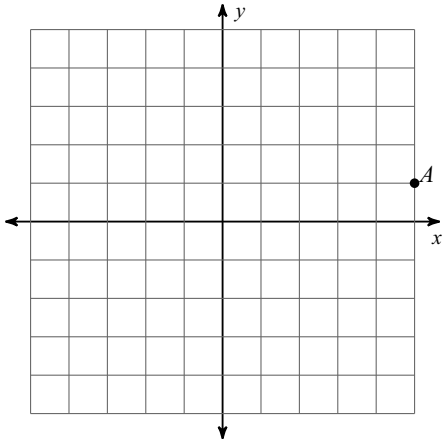
10) rotation 180° about the origin



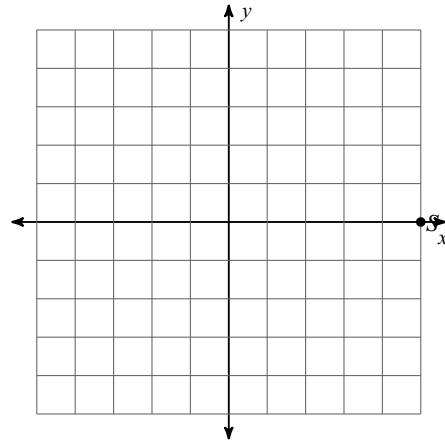
11) rotation 90° clockwise about the origin



12) rotation 90° counterclockwise about the origin



13) rotation 90° clockwise about the origin



14) rotation 90° counterclockwise about the origin

