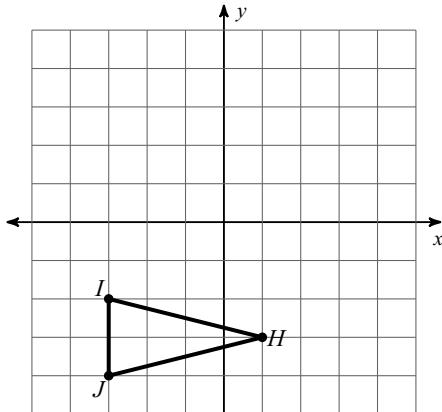


Transformation Review Day

Date _____ Period _____

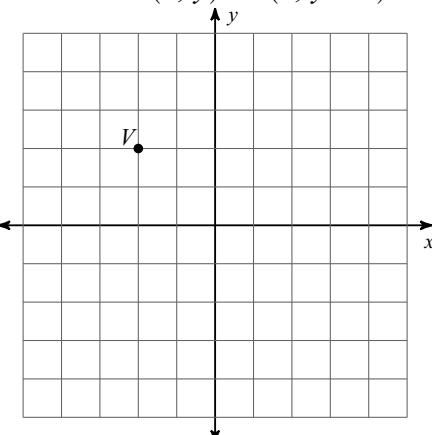
Find the coordinates of the vertices of each figure after the given transformation.

- 1) translation: 2 units left and 4 units up



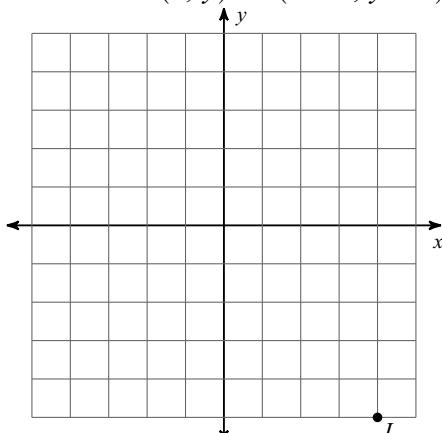
$$J'(-5, 0), I'(-5, 2), H'(-1, 1)$$

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



$$V(-2, 5)$$

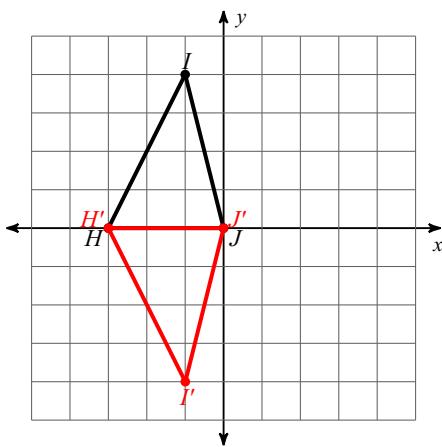
- 3) translation:
- $(x, y) \rightarrow (x - 1, y + 1)$



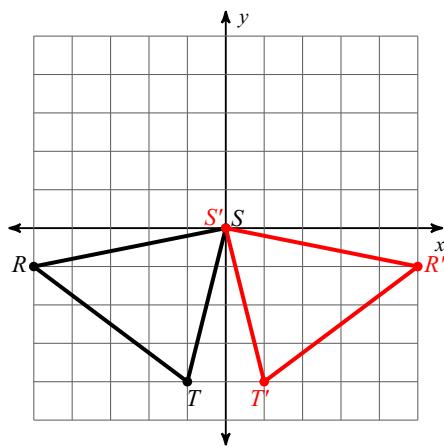
$$J'(3, -4)$$

Graph the image of the figure using the transformation given.

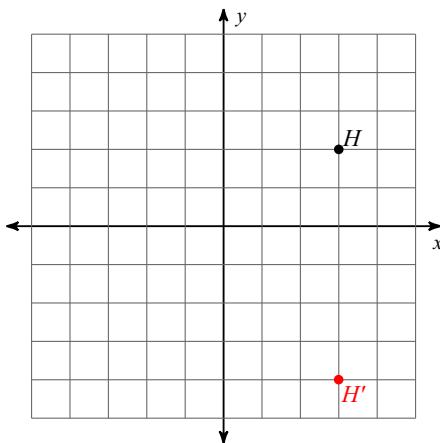
- 4) reflection across the x-axis



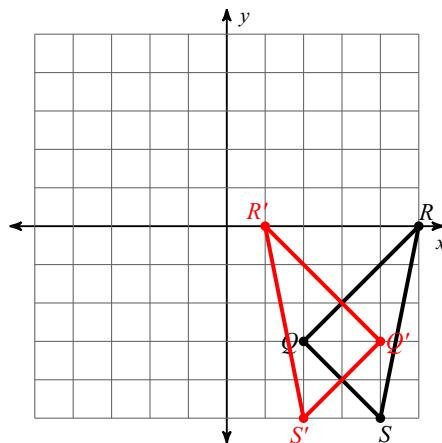
- 5) reflection across the y-axis



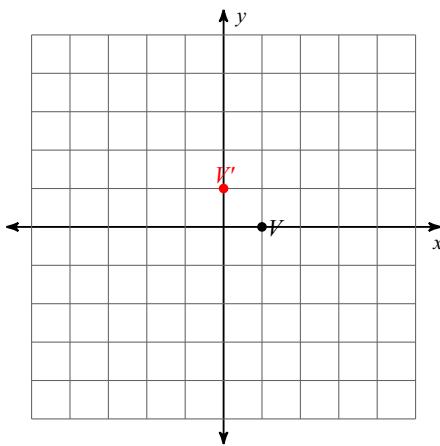
6) reflection across $y = -1$



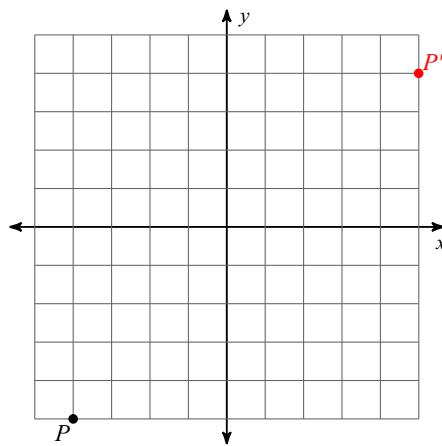
7) reflection across $x = 3$



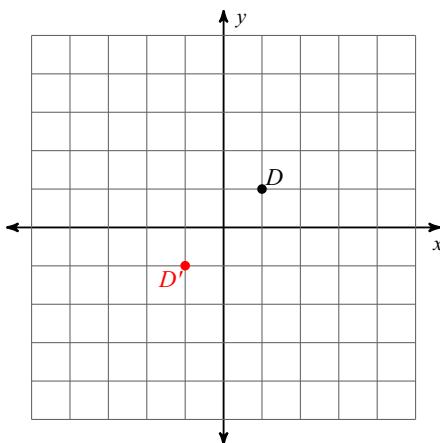
8) reflection across $y = x$



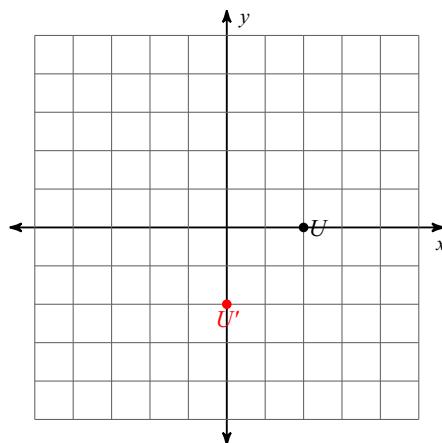
9) reflection across $y = -x$



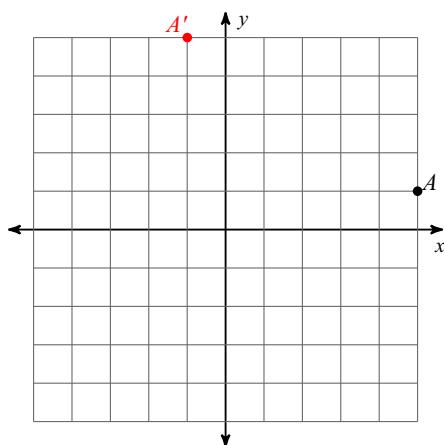
10) rotation 180° about the origin



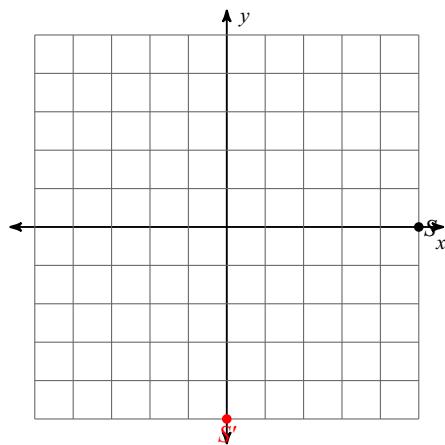
11) rotation 90° clockwise about the origin



- 12) rotation 90° counterclockwise about the origin



- 13) rotation 90° clockwise about the origin



- 14) rotation 90° counterclockwise about the origin

