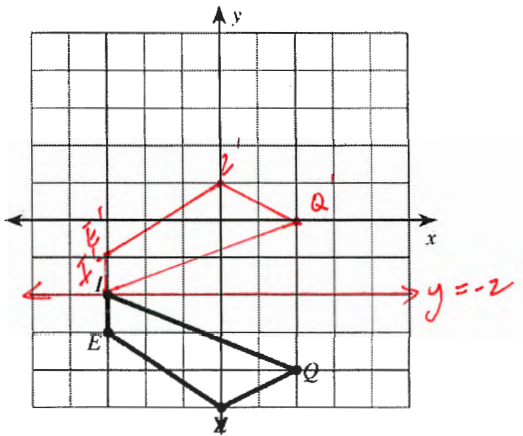


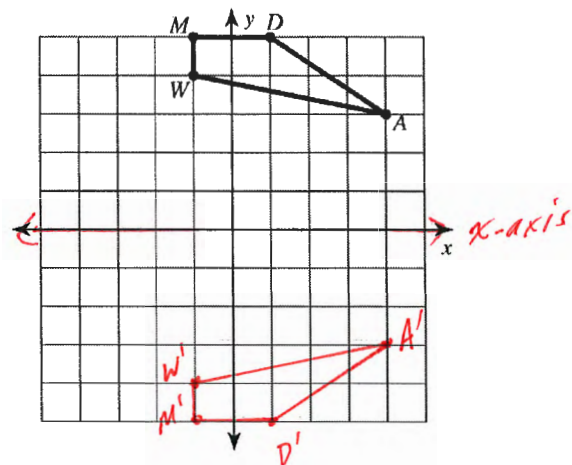
9.3 – Reflections

Find the image of the figure using the transformation given.

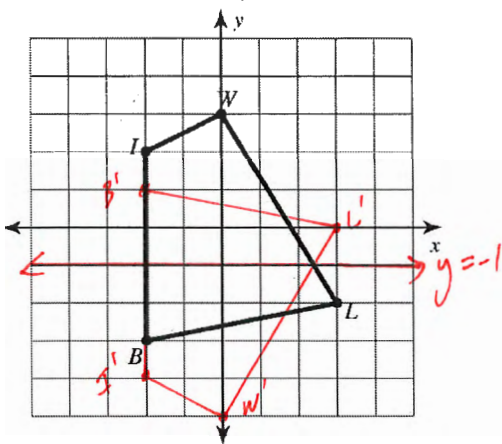
- 1) Reflection across $y = -2$



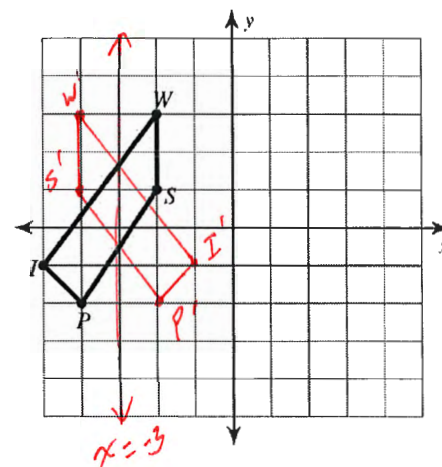
- 2) Reflection across the x -axis



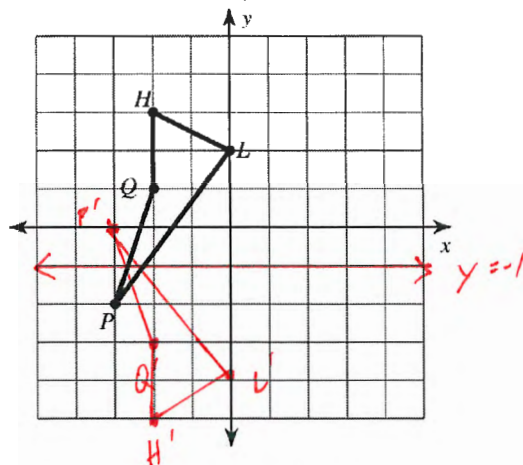
- 3) Reflection across $y = -1$



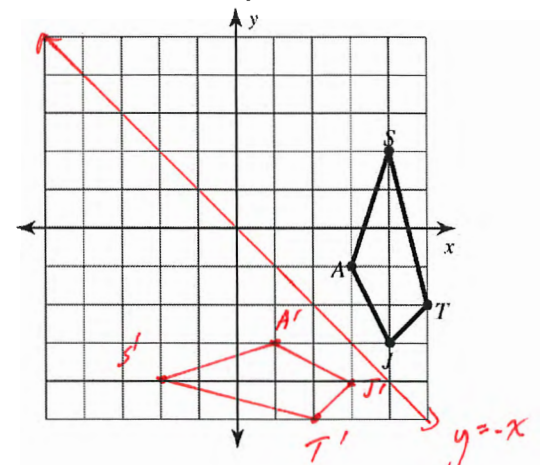
- 4) Reflection across $x = -3$



- 5) Reflection across $y = -1$

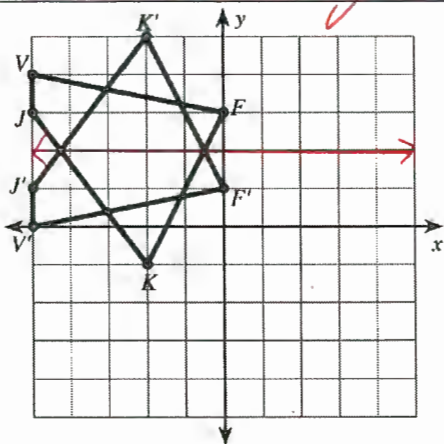


- 6) Reflection across $y = -x$

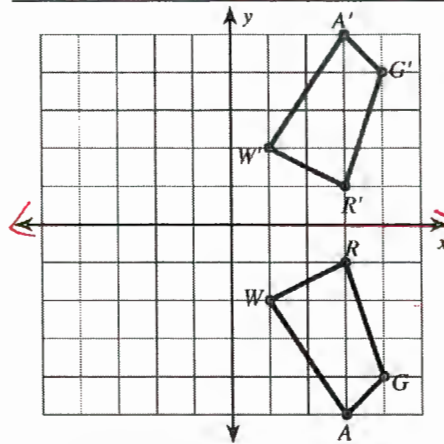


Write a rule for the reflection.

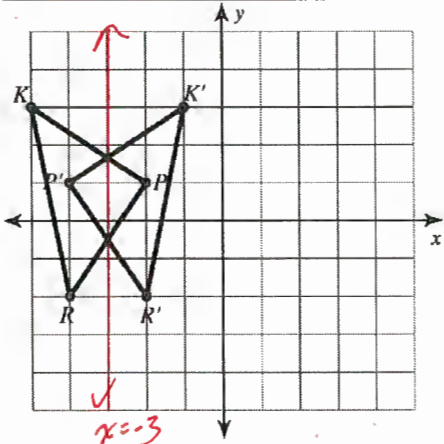
7) *Reflection across $y=2$*



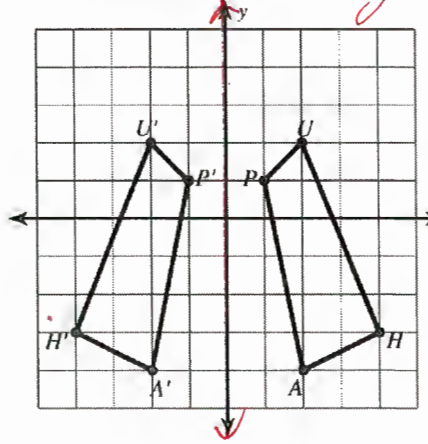
8) *Reflection across x -axis*



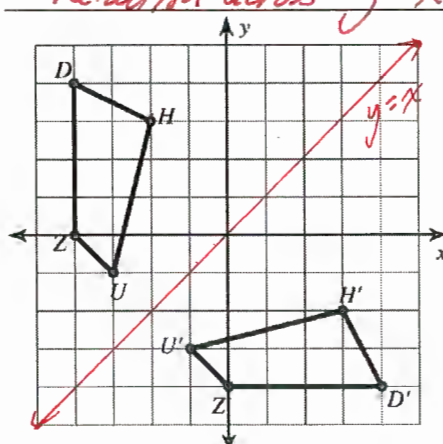
9) *Reflection across $x=-3$*



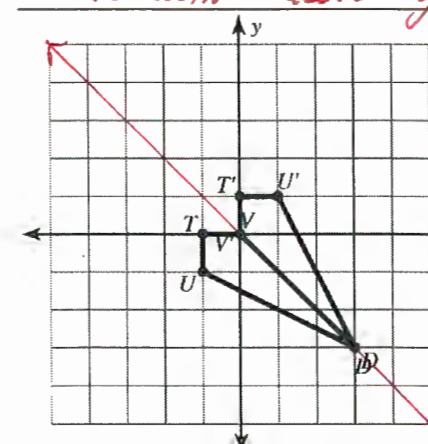
10) *Reflection across y -axis*



11) *Reflection across $y=x$*



12) *Reflection across $y=-x$*



13) Point A on a coordinate grid is at $(3, 4)$. If the point is reflected across the line $y = x$, what are the coordinates of its image?

$A'(4, 3)$

14) Point Z on a coordinate grid is at $(-1, 3)$. If the point is reflected across the line $y = -x$, what are the coordinates of its image?

$Z'(-3, 1)$