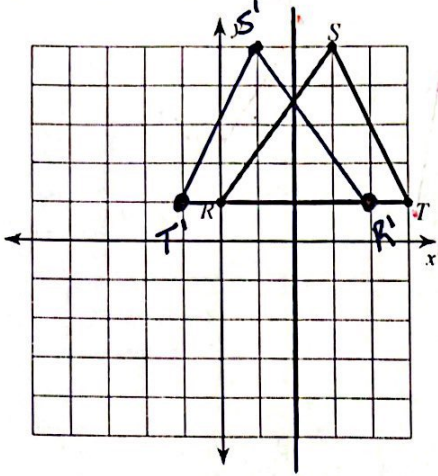


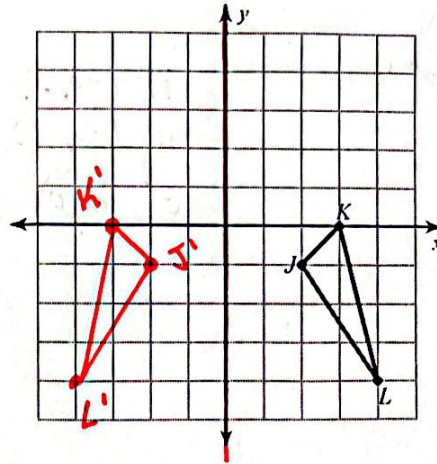
Transformation Review

Graph the image of the figure using the transformation given.

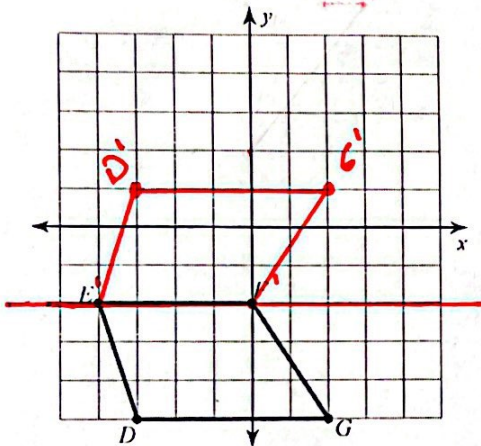
1) reflection across $x = 2$



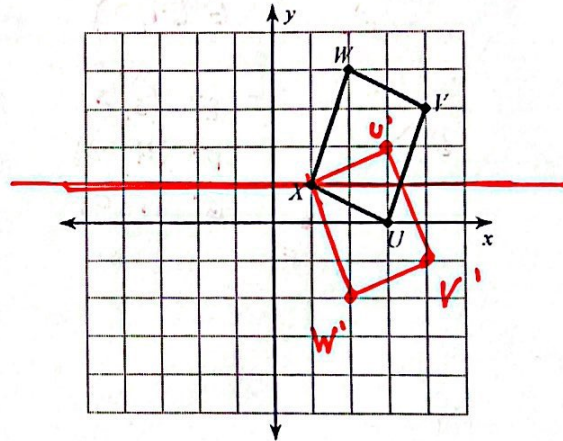
2) reflection across the y-axis



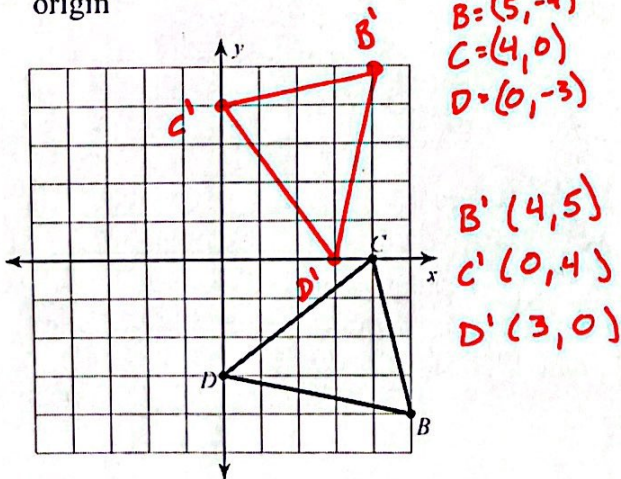
3) reflection across $y = -2$



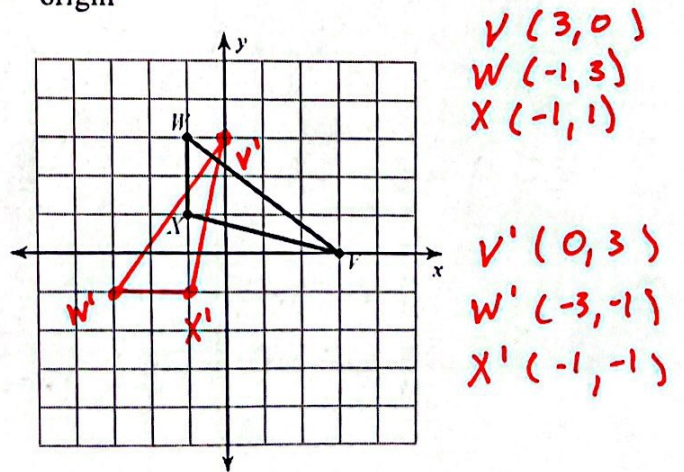
4) reflection across $y = 1$



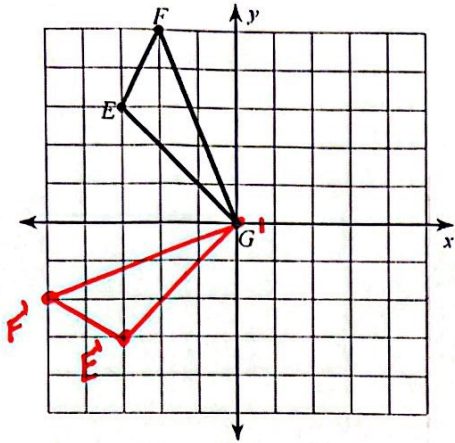
5) rotation 90° counterclockwise about the origin



6) rotation 90° counterclockwise about the origin



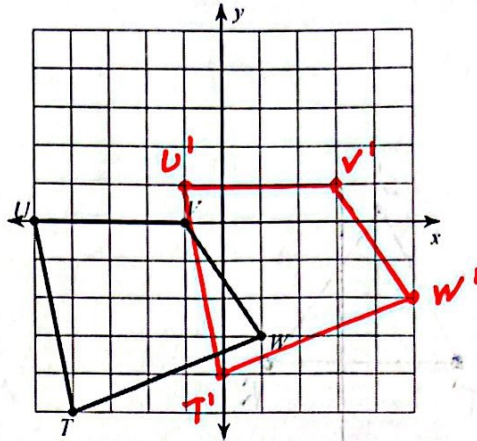
7) rotation 90° counterclockwise about the origin



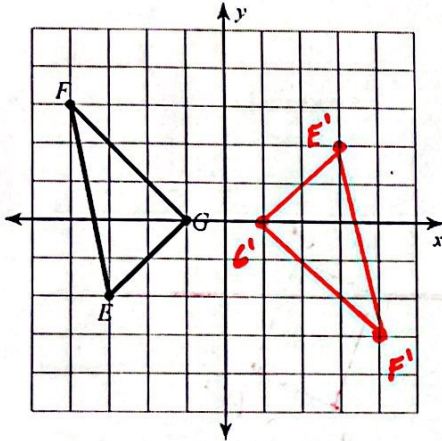
$E(-3, 3)$
 $F(-2, 5)$
 $G(0, 0)$

$E'(-3, -3)$
 $F'(-5, -2)$
 $G'(0, 0)$

8) translation: $(x, y) \rightarrow (x + 4, y + 1)$



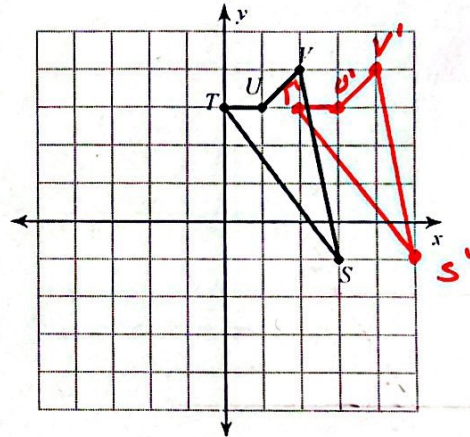
9) rotation 180° about the origin



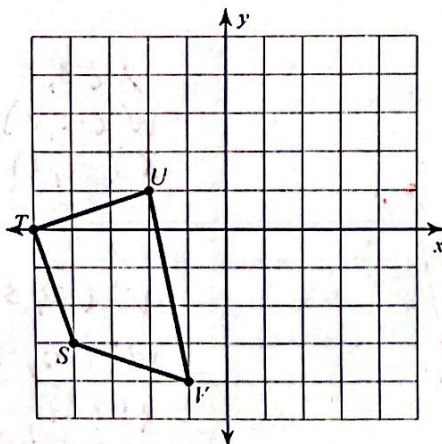
$E(-3, -2)$
 $F(-4, 3)$
 $G(-1, 0)$

$E'(3, 2)$
 $F'(4, -3)$
 $G'(1, 0)$

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



11) rotation 180° about the origin



12) rotation 90° counterclockwise about the origin

