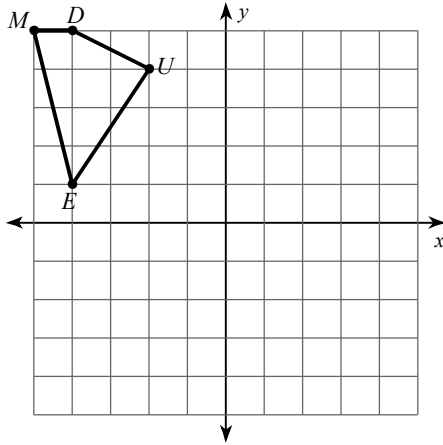


Reflection

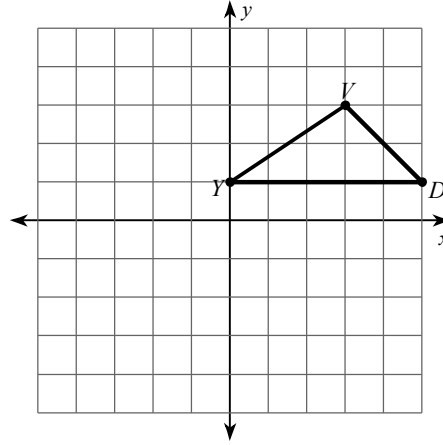
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Find the coordinates of the vertices of each figure after the given transformation.

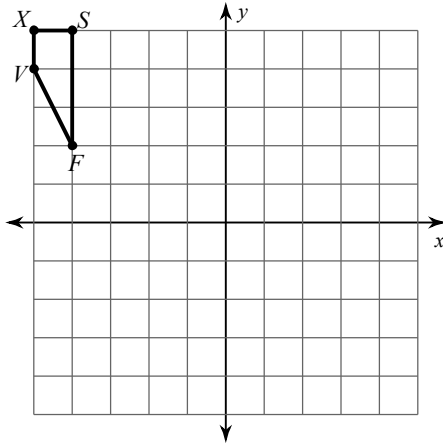
1) reflection across $x = -3$



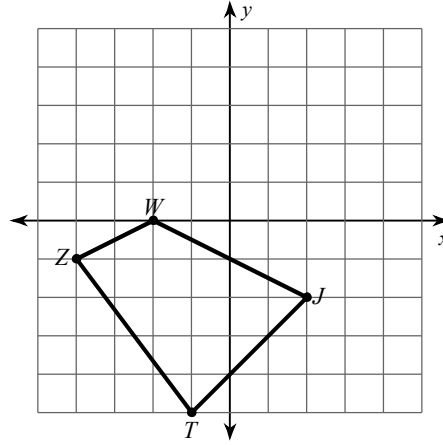
2) reflection across the x-axis



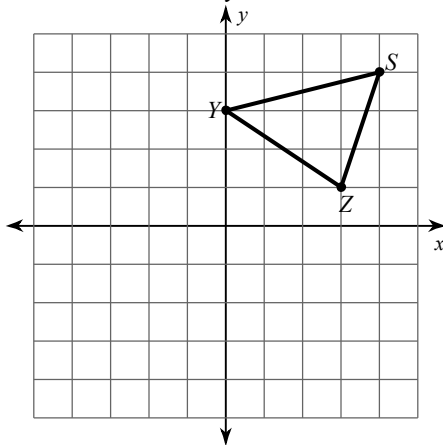
3) reflection across $x = -2$



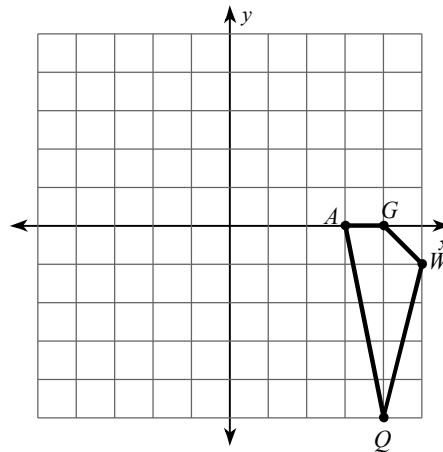
4) reflection across the y-axis



5) reflection across $y = 3$

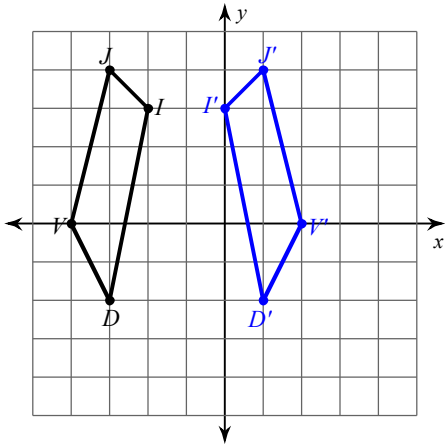


6) reflection across $x = 4$

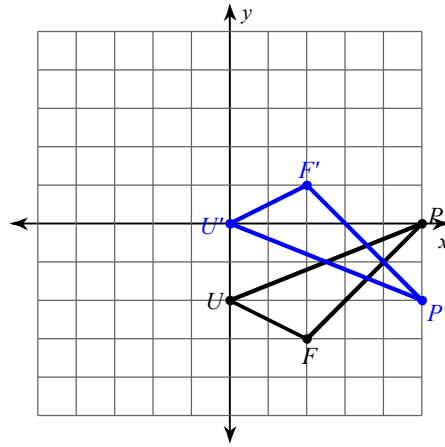


Write a rule to describe each transformation.

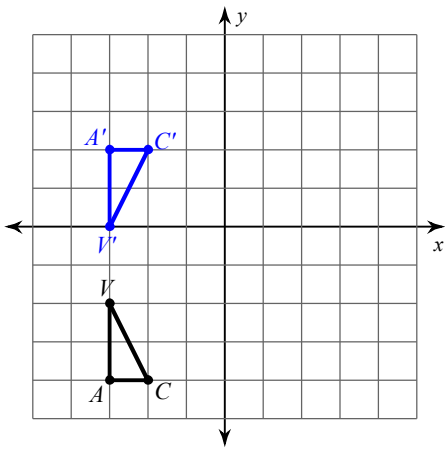
7)



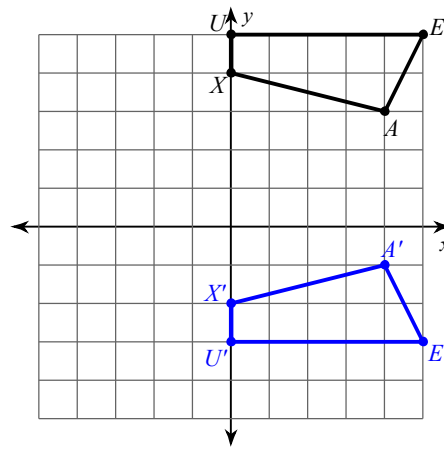
8)



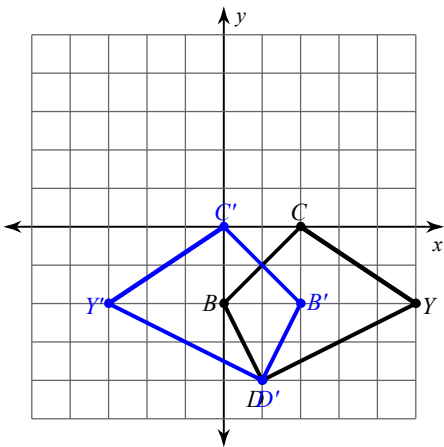
9)



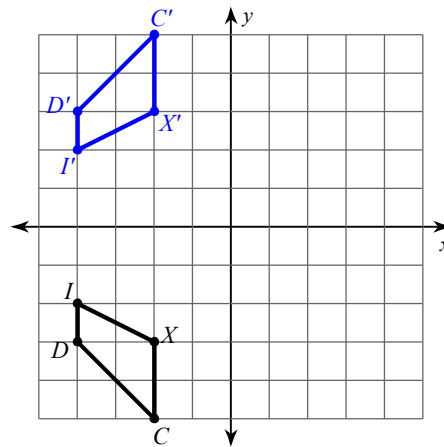
10)



11)



12)

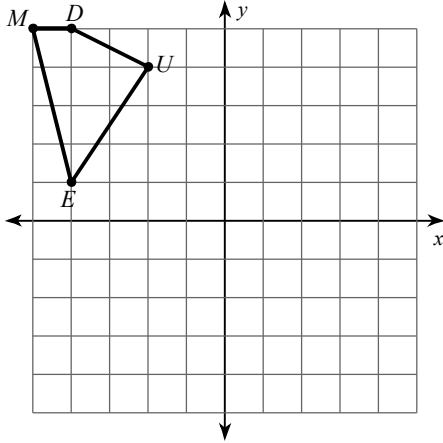


Reflection

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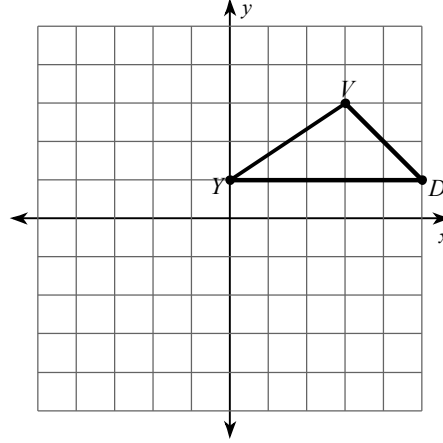
Find the coordinates of the vertices of each figure after the given transformation.

1) reflection across $x = -3$



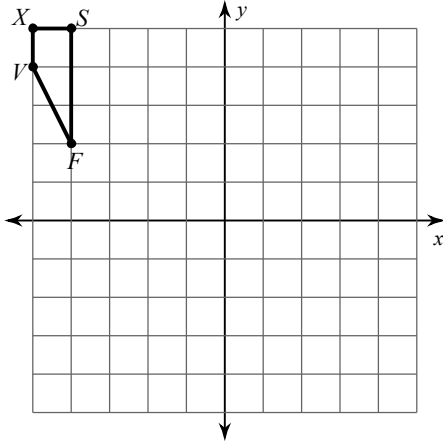
$M'(-1, 5), D'(-2, 5), U'(-4, 4), E'(-2, 1)$

2) reflection across the x-axis



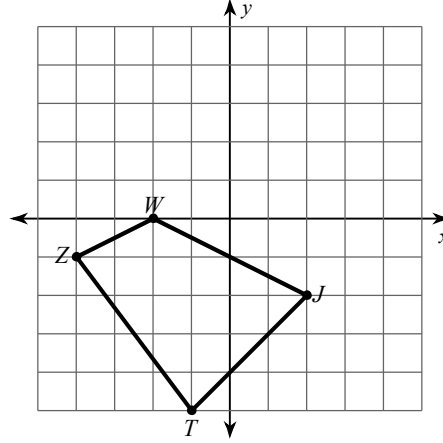
$V'(3, -3), D'(5, -1), Y'(0, -1)$

3) reflection across $x = -2$



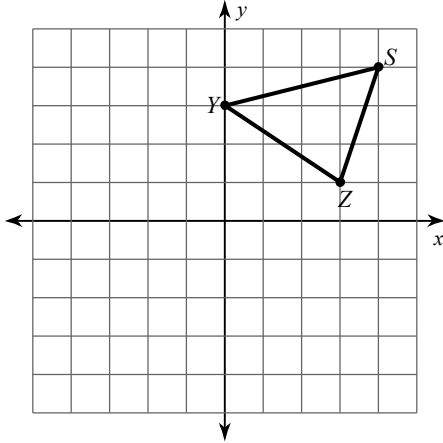
$X'(1, 5), S'(0, 5), F'(0, 2), V'(1, 4)$

4) reflection across the y-axis



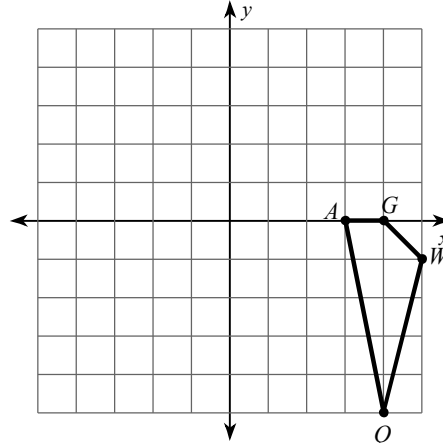
$Z'(4, -1), W'(2, 0), J'(-2, -2), T'(1, -5)$

5) reflection across $y = 3$



$S'(4, 2), Z'(3, 5), Y'(0, 3)$

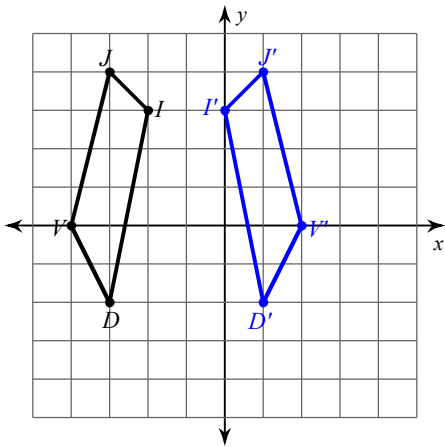
6) reflection across $x = 4$



$A'(5, 0), G'(4, 0), W'(3, -1), Q'(4, -5)$

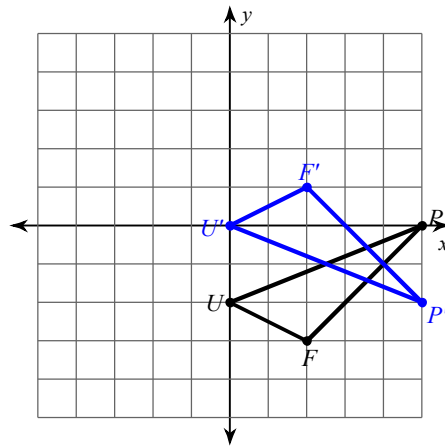
Write a rule to describe each transformation.

7)



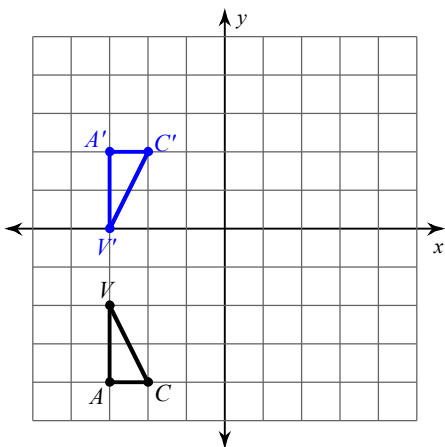
reflection across $x = -1$

8)



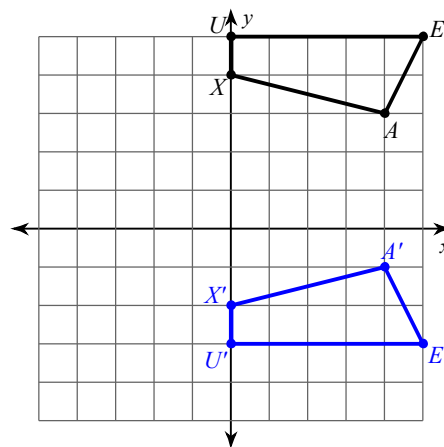
reflection across $y = -1$

9)



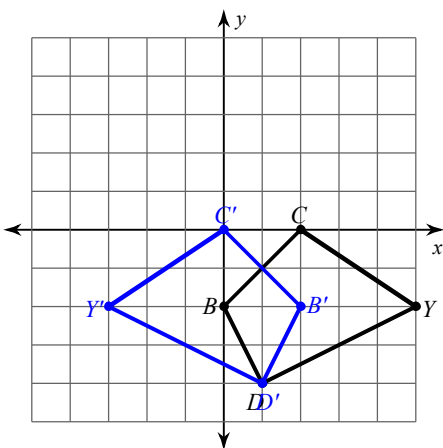
reflection across $y = -1$

10)



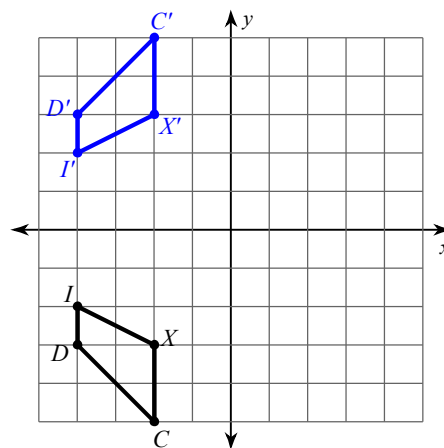
reflection across $y = 1$

11)



reflection across $x = 1$

12)



reflection across the x-axis