




NAME _____ DATE _____ PER. _____

ROTATIONS

Tell whether rotating each letter 90° clockwise would produce a letter of the alphabet. If yes, name the letter.

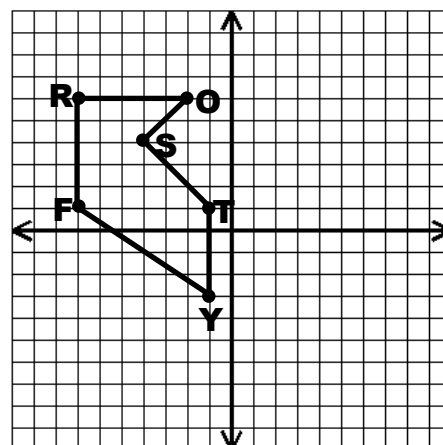
<p>1. YES or NO Letter:</p>	
<p>2. YES or NO Letter:</p>	
<p>3. YES or NO Letter:</p>	

Use the polygon below to perform the rotation indicated. Give the coordinates of the rotated polygon about the origin. WHEN PERFORMING EACH ROTATION, GO BACK TO THE ORIGINAL POLYGON.

<p>4. 90° clockwise:</p> <p>A' (_____, _____)</p> <p>B' (_____, _____)</p> <p>C' (_____, _____)</p> <p>D' (_____, _____)</p> <p>E' (_____, _____)</p>	
<p>5. 180° :</p> <p>A' (_____, _____)</p> <p>B' (_____, _____)</p> <p>C' (_____, _____)</p> <p>D' (_____, _____)</p> <p>E' (_____, _____)</p>	
<p>6. 90° counter-clockwise:</p> <p>A' (_____, _____)</p> <p>B' (_____, _____)</p> <p>C' (_____, _____)</p> <p>D' (_____, _____)</p> <p>E' (_____, _____)</p>	

Rotate the figure below 180° about the origin and give the coordinates of the rotated polygon.

7. F'(_____, _____)
 R'(_____, _____)
 O'(_____, _____)
 S'(_____, _____)
 T'(_____, _____)
 Y'(_____, _____)

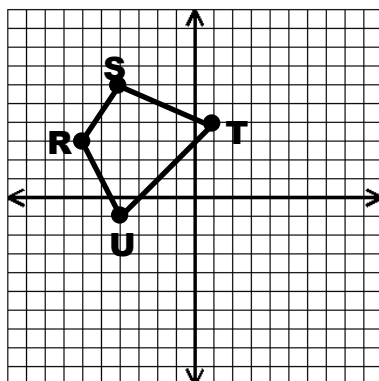


REVIEW

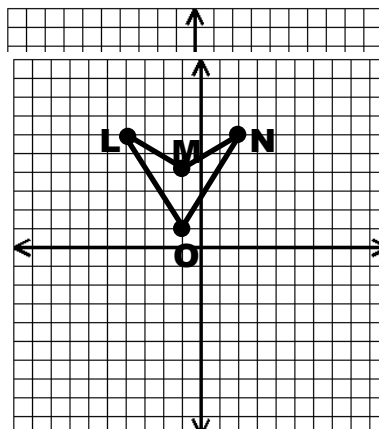
Draw the reflections to the figures below and write the new coordinates.

8. R'(_____, _____)
 S'(_____, _____)
 T'(_____, _____)
 U'(_____, _____)

Reflect across the y-axis.

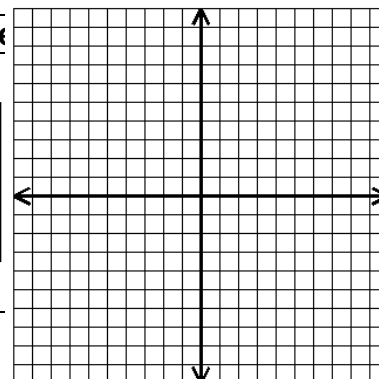


9. L'(_____, _____)
 M'(_____, _____)
 N'(_____, _____)
 O'(_____, _____)



How many lines of symmetry

10.



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