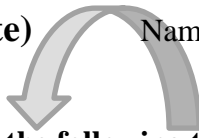


10E You are Making me dizzy(Rotate)

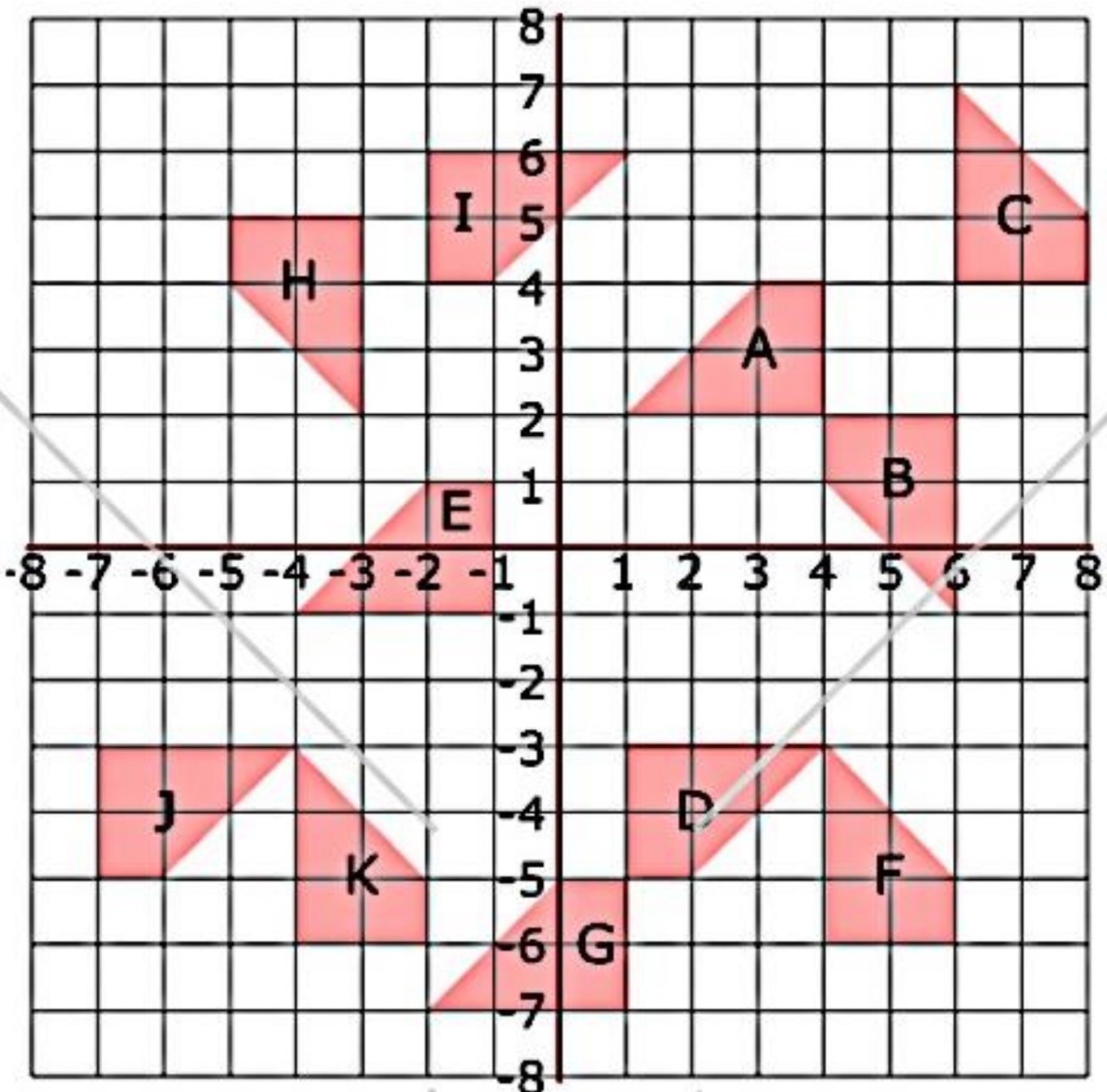
SHOW YOUR WORK AND WORK IN PENCIL

Name: _____ Per: _____



Using the image, describe the rotations for the following transformations.

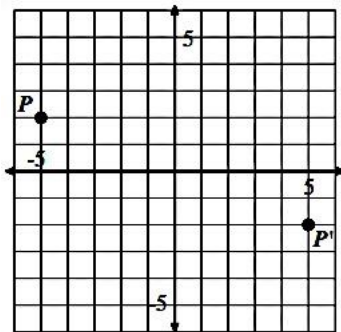
	Rotation	Degrees (CCW)	Center of rotation
1.	<i>G to D</i>		
2.	<i>J to K</i>		
3.	<i>C to B</i>		
4.	<i>A to B</i>		
5.	<i>B to G</i>		
6.	<i>B to F</i>		
7.	<i>B to I</i>		



8. Point P was reflected to P'

- CONSTRUCT the perpendicular bisector.
- Calculate the midpoint.

- Mathematically calculate the perpendicular bisector (line of reflection).

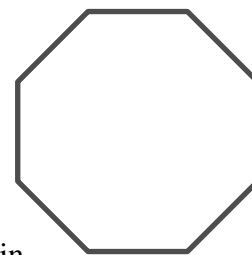


9. Using the regular octagon.

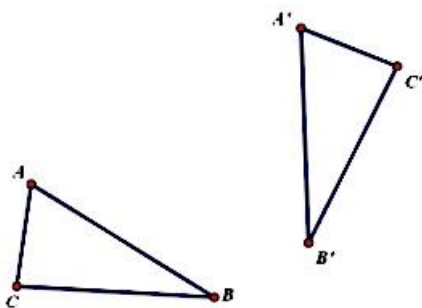
- Mark the lines of symmetry. How many are there?

- What is the angle of rotation?

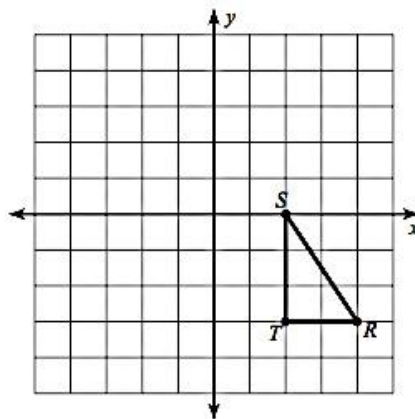
- Draw the diagonals in a different color. How many are there? _____



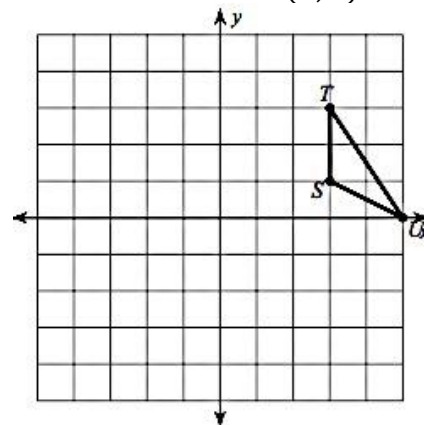
10. Construct the line of reflection that reflects $\triangle ABC$ to $\triangle A'B'C'$



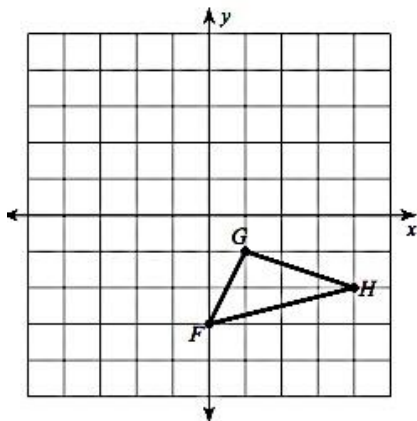
11. Rotate 90° around $(0,0)$



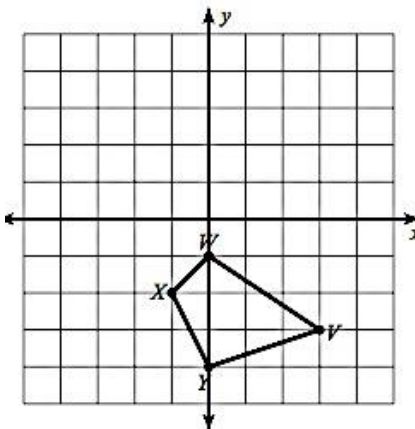
12. Rotate 90° around $(1, 1)$



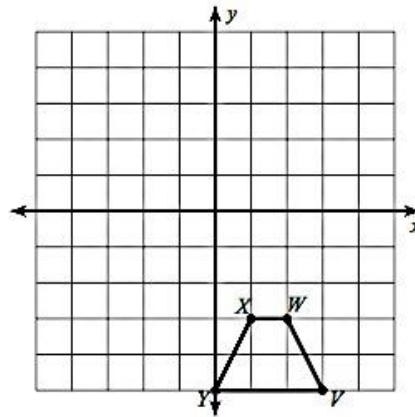
13. Rotate 180° around $(-1, -1)$



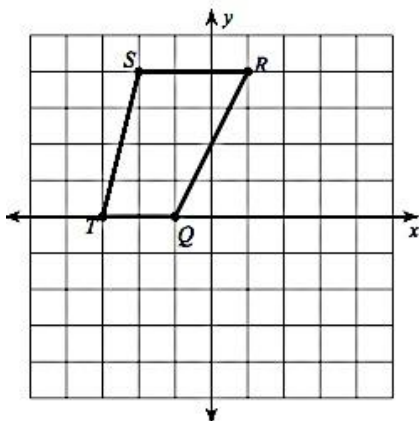
14. Rotate 90° around $(2, 1)$



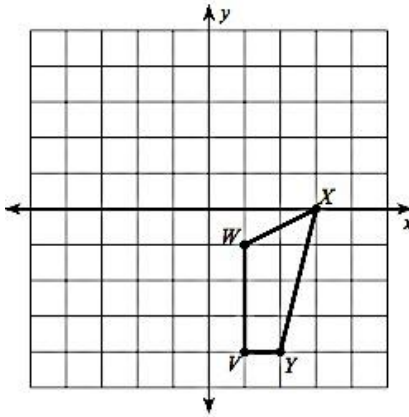
15. Reflect across the line $y = x$



16. Reflect across $y = 2x - 1$



17. Translate $(x, y) \rightarrow (x - 4, y + 3)$



18. Translate up 3 and right 5.
Write the translation rule

