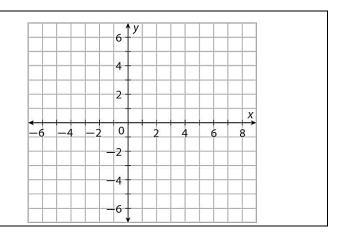
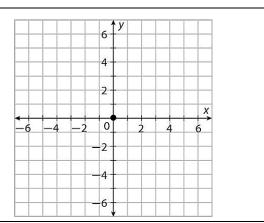
1. Rotate 90° counterclockwise.

preimage	image		
A(-6, 2)	A' (,)
B(-6, 4)	B' (,)
C(-4, 4)	C' (,)
D(-4, 5)	D' (,)
E(-3, 3)	E' (,)
F(-4, 1)	F' (,)
G(-4, 2)	G' (,)

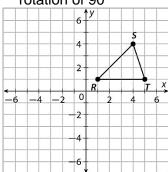


2. Rotate 180°.

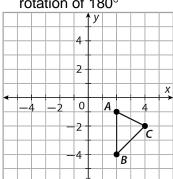
preimage		image	
A(-6, 2)	A' (,)
B(-6, 4)	B' (,)
C(-4, 4)	C' (,)
D(-4, 5)	D' (,)
E(-3, 3)	E' (,)
<i>F</i> (-4, 1)	F' (,)
G(-4, 2)	G' (,)



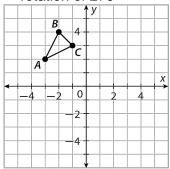
- 3. What clockwise rotation produces the same image as a counterclockwise rotation of 220°?_
- 4. Graph ΔRST after a rotation of 90°



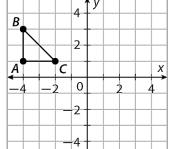
5. Graph ΔABC after a rotation of 180°



6. Graph ΔABC after a rotation of 270°



7. In which quadrant will the image of $\triangle ABC$ lie after a counterclockwise rotation of 1980°? Explain how you made your prediction.



2.4 Symmetry

A pentomino is a figure made by joining five congruent squares side to side. For Problems 1–4, identify if the pentomino has line symmetry. If yes, draw all lines of symmetry

1. Does it have line symmetry	metry? 2. Do	es it have line symmetry?			
3. Does it have line symmetric Does it have been also been also be a supplication of the book of t		pes it have line symmetry?			
5. Which of the pentominoes below is the only one that has rotational symmetry?					
A B B 6. Which two pentominoes below ha	Cave both line symmetry and rotate	D LLT tional symmetry?			
and					
А В		D			
For 7-10, draw all lines of symmetry and tell if it has rotational symmetry. If so, give the angle.					
7. Line: Rotational	9.	Line :			
8. Line:	10.	Line: Rotational:			
11. How is a rectangle similar to an ellipse? Use concepts of symmetry in your answer.					
	<u> </u>				
12. Explain the error. A student was aske student's work as correct or incorrect. If a.		c.			