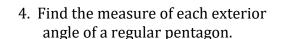
6.1 £ 9.1-9.3 SŁUdY GUIDE

1. Name the polygon by the number of sides. Determine if the polygon is regular or irregular and concave or convex.

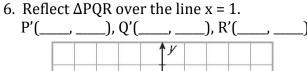


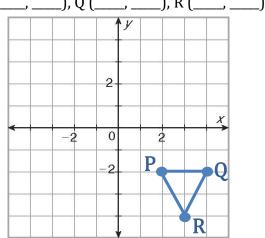
3. Find the measure of each interior angle of a regular heptagon.



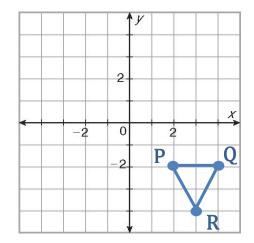
measures of a convex octagon.

5. What is the name of the polygon in which the sum of the interior angles is 1,980?

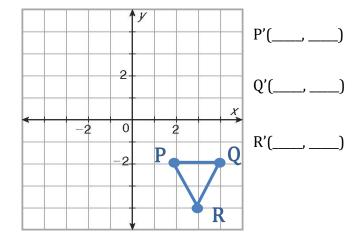




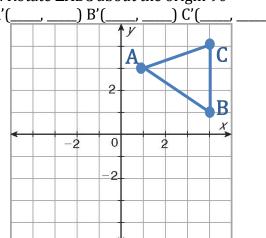
7. Reflect $\triangle PQR$ over the line y = x. P'(___, ___), Q'(___, ___), R'(___, ___)



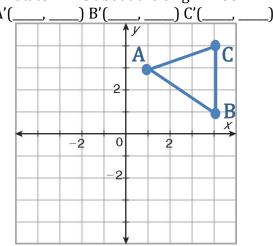
8. Use the given notation to transform ΔPQR then decribe the transformation in words. R(x,y) = (-x, y)



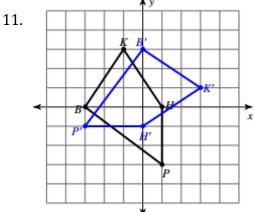
9. Rotate ΔABC about the origin 90°



10. Rotate \triangle ABC about the origin -180°



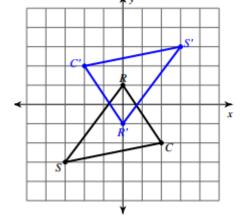
For #11-12, describe how the following figures were rotated in words and function notation.



Words:_____

Function:

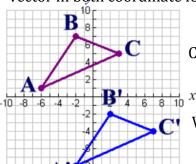
12.



Words:_____

Function:

- 13. What is the image of E(-1,6) mapped by translation T $(x, y) \rightarrow (x - 6, y - 10)$?
- 14. What is the pre-image of F'(9,-6) mapped by translation T $(x, y) \rightarrow (x+7, y-1)$?
- 15. Given the following diagram, write the translation 16. What is the image of coordinate M(-3, 7) vector in both coordinate form and vector form.
 - when it is translated along the vector <6, -4>?



Coordinate Form _____

Vector Form_____