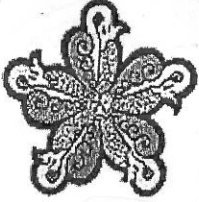


Transformations RWS #1

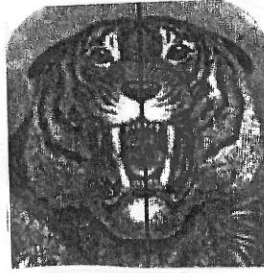
Name: _____

1. Describe the symmetry of each shape.

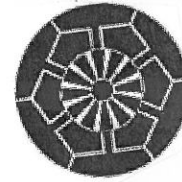
a.



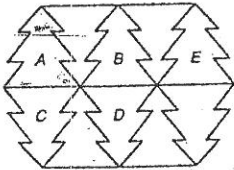
b.



c.



2. Name the transformation that will map *Tree A* onto the indicated tree. (Give all possibilities)



a. Tree B

b. Tree D

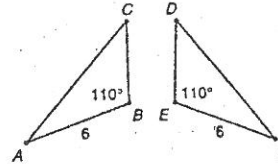
c. Tree C

c.* Tree E

3. Complete the statement regarding the transformation.

a. $\triangle ABC \rightarrow$ _____

b. _____ $\rightarrow \triangle EDF$



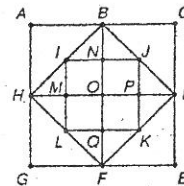
4. Find the image of the segment or triangle. (Use figure at right.)

a. 90° clockwise rotation of \overline{BC} about O. _____

b. 90° Clockwise rotation of \overline{JD} around O. _____

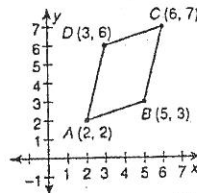
c. 90° counterclockwise rotation of \overline{QL} about O. _____

d. 180° rotation of $\triangle HIM$ about O. _____



In 5-7, use the figure at right to match the translation of $\square ABCD$ to $\square A'B'C'D'$ by the given vector.

- a. $A'(1, 4) B'(4, 5) C'(5, 9) D'(2, 8)$
- b. $A'(4, 1) B'(7, 2) C'(8, 6) D'(5, 5)$
- c. $A'(3, 2) B'(6, 3) C'(7, 7) D'(4, 6)$
- d. $A'(2, 1) B'(5, 2) C'(6, 6) D'(3, 5)$



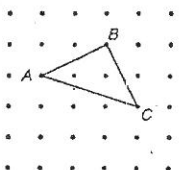
5. $\langle 1, 0 \rangle$

6. $\langle -1, 2 \rangle$

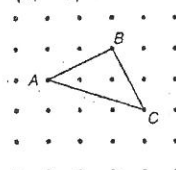
7. $\langle 2, -1 \rangle$

In 8-10, use a straightedge to translate $\triangle ABC$.

8. $\langle 1, 1 \rangle$



9. $\langle 0, -1 \rangle$



10. $\langle -1, -2 \rangle$

