Learning Target #1: I can verify experimentally the properties of rotations, reflections, and translations. (8.G.1)

1. If ΔPQR below is translated 6 units to the right and 3 units down, what are the coordinates of point P'? (2)

2. Write a rule that describes the translation shown on the graph below. (2)
3. Graph the point $A(3,2)$. Then graph its image after it is reflected over the $x$-axis. Name the coordinates of $A'$. (3)

4. $\triangle EFG$ has vertices $E(4,3)$, $F(3,1)$, and $G(1,2)$. Graph $\triangle EFG$ and its image after it is reflected over the $x$-axis. Name the coordinates of the vertices of $\triangle E'F'G'$. (4)

5. Draw the lines of symmetry for the snowflake below. (3)