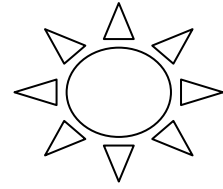
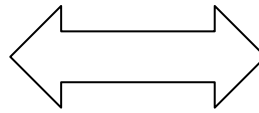
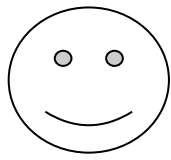
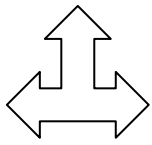


7.1 Reflection/Rotation Review

1. Draw a line of symmetry on each figure. Remember that some figures may have more than one line of symmetry.



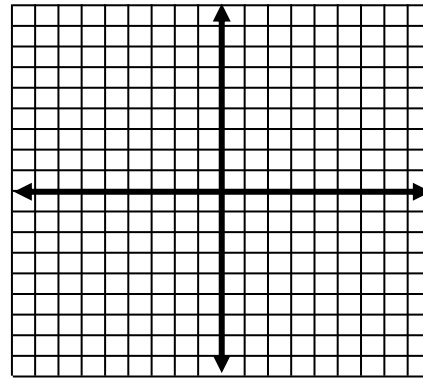
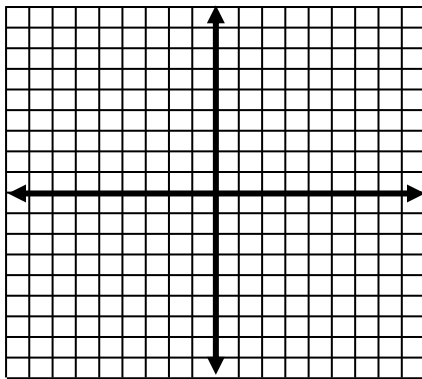
2-3: Find the coordinates of the image after the given transformations.

2. M (3,4) reflected over the line $y = 1$.

3. Q (5,-2) reflected over the line $x = 3$, then translated down 2 units.

M' _____

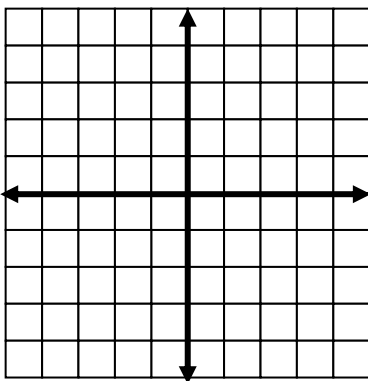
Q' _____



Rotate the figure about the origin by the indicated angle measure.

4. 90°

5. What is the degree of rotation in the following figure?



$A(-3, 4) \rightarrow A' \underline{\hspace{2cm}}$

$B(-3, 1) \rightarrow B' \underline{\hspace{2cm}}$

$C(-1, 1) \rightarrow C' \underline{\hspace{2cm}}$



6. Regular pentagon PENTA is given with center X.

Name the image of P under a 72° rotation about X.

