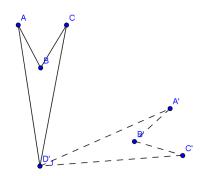
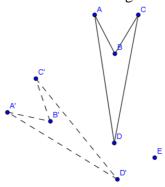
1. Determine the angle of rotation of figure that was rotated about point D.

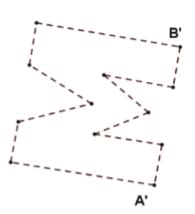


2. Determine the angle of rotation of figure that was rotated about point E.

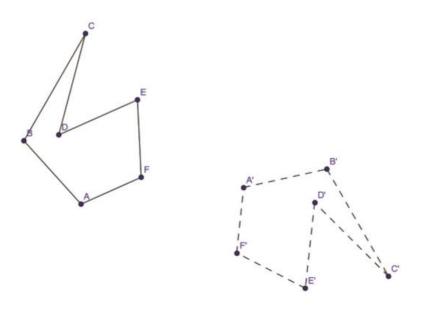


- 3. Determine point of the center of rotation of the figure.
- a.  $\mathsf{Draw}\,\mathsf{a}\,\mathsf{segment}\,\mathsf{connecting}\,\mathsf{points}\,A\,\mathsf{and}\,A'.$
- b. Using a compass and straightedge, find the perpendicular bisector of this segment.
- c. Draw a segment connecting points  ${\it B}$  and  ${\it B}'$ .
- d. Find the perpendicular bisector of this segment.
- e. The point of intersection of the two perpendicular bisectors is the center of rotation. Label this point P.

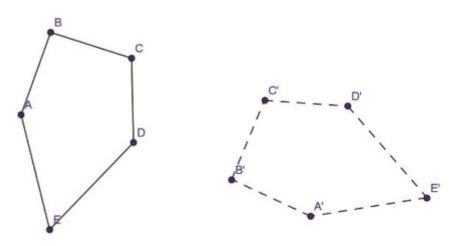




4. Find the center of rotation using a compass and straight edge. Label it point X.



5. Find the center of rotation using a compass and straight edge. Label it point Y.



Rotate each figure using a compass and straightedge only

**6. ABC 60**° around point F.

