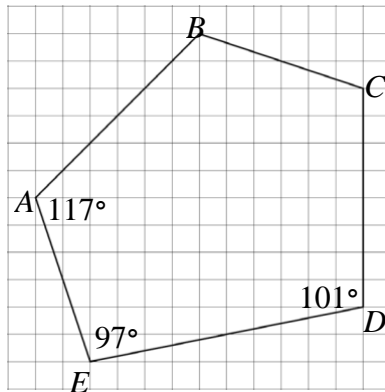


## CONGRUENT POLYGONS: GUIDED NOTES

All of the following pentagons are congruent. Label each polygon and identify the corresponding parts. Write a congruence statement for each polygon.

Polygon  $ABCDE$

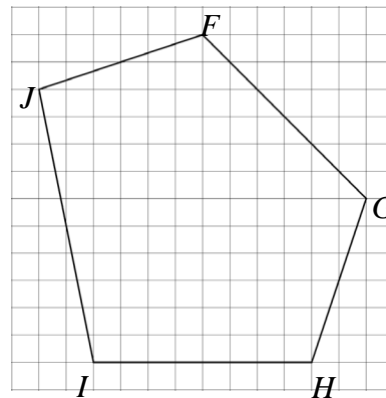


$ABCDE$  Rotated  $90^\circ$  CCW

$$ABCDE \cong \underline{\hspace{2cm}}$$

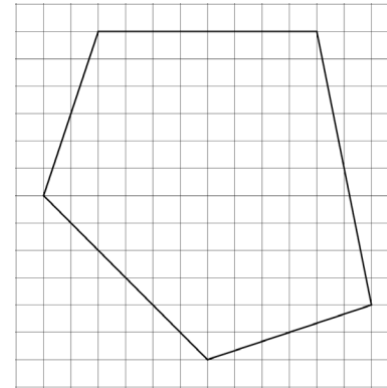
$ABCDE$  Rotated  $90^\circ$  CW

$$ABCDE \cong \underline{\hspace{2cm}}$$



$ABCDE$  Rotated  $180^\circ$  CW

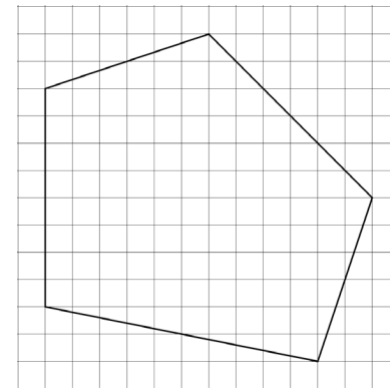
$$ABCDE \cong \underline{\hspace{2cm}}$$



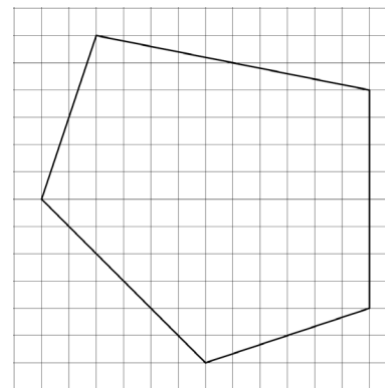
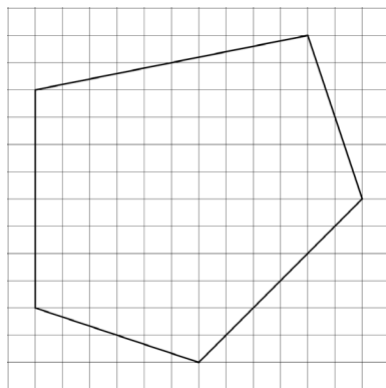
Polygons with the same shape and size are **congruent**. Congruent polygons have congruent corresponding angles and sides.

Horizontal Reflection of  $ABCDE$

$$ABCDE \cong \underline{\hspace{2cm}}$$



Vertical Reflection of  $ABCDE$   $ABCDE \cong$  \_\_\_\_\_



A PERFECT MATCH | **K20**  
L•E•A•R•N