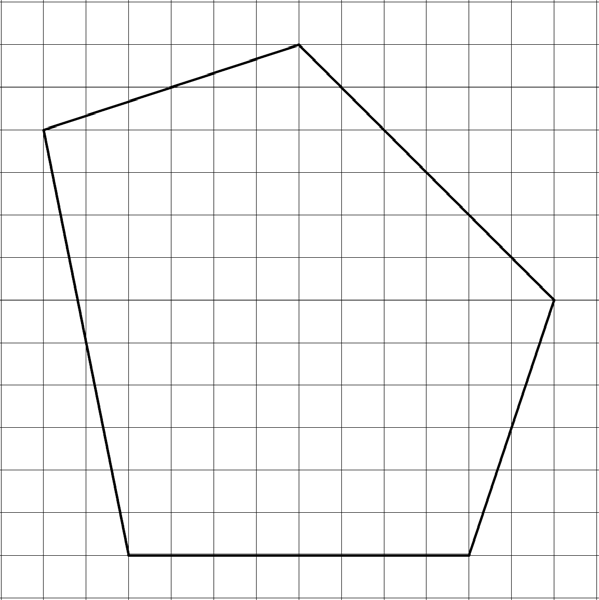
**CONGRUENT POLYGONS: GUIDED NOTES**

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

*ABCDE* Rotated 90° CW

Polygon *ABCDE*

*ABCDE* ≅ \_\_\_\_\_\_\_\_\_\_



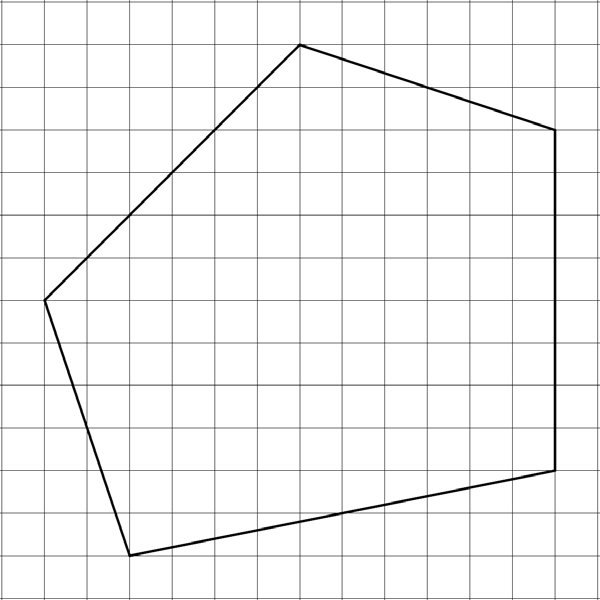
*F*

*G*

*H*

*I*

*J*



*A*

*B*

*C*

*D*

*E*

97

°

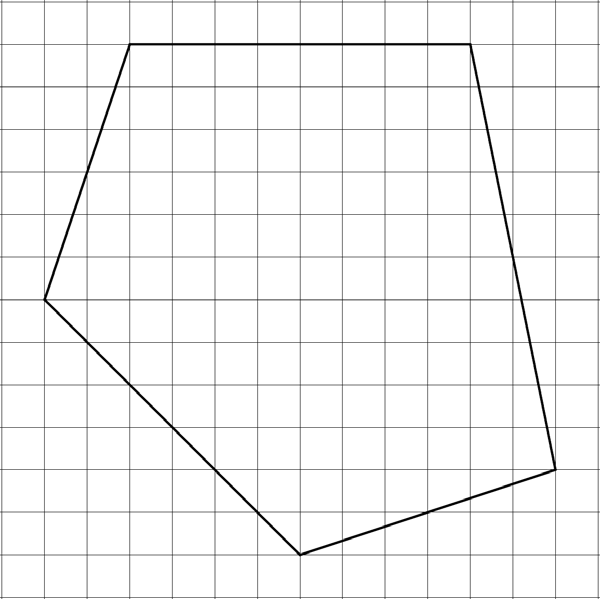
117

°

101

°

|  |  |
| --- | --- |
| *ABCDE* Rotated 90° CCW  *ABCDE* ≅ \_\_\_\_\_\_\_\_\_\_ | *ABCDE* Rotated 180° CW  *ABCDE* ≅ \_\_\_\_\_\_\_\_\_\_ |

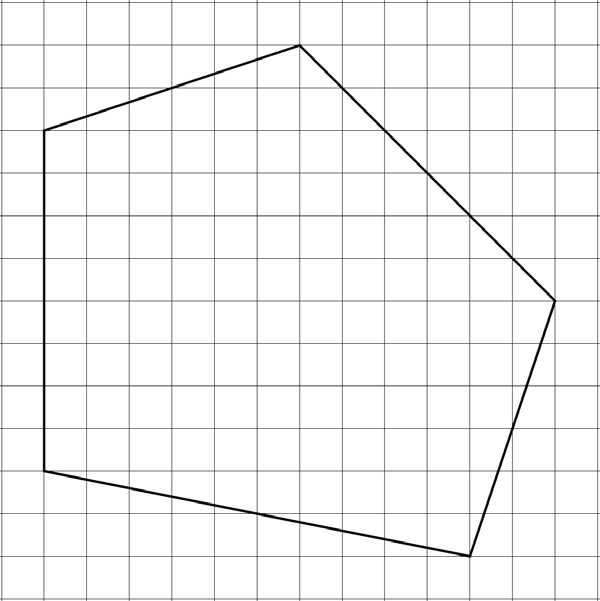


Polygons with the same shape and size are ***congruent***. Congruent polygons have

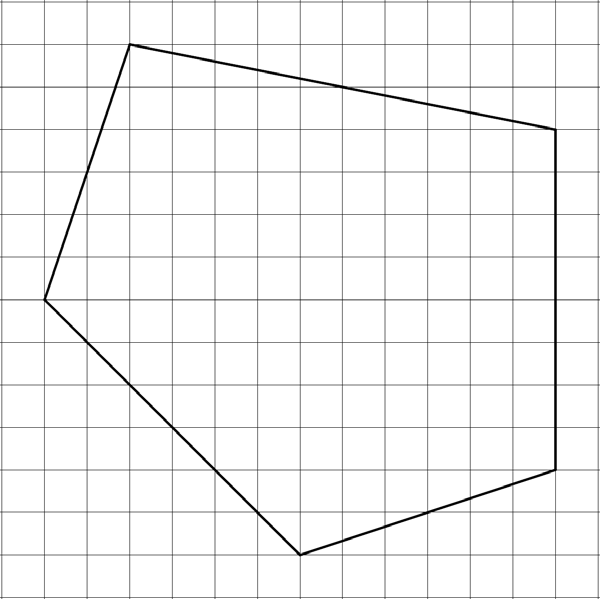
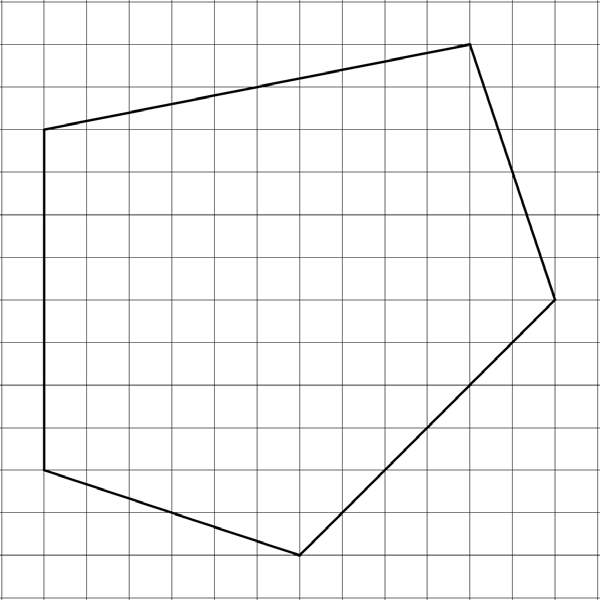
congruent corresponding angles and sides.

Horizontal Reflection of *ABCDE*

*ABCDE* ≅ \_\_\_\_\_\_\_\_\_\_



Vertical Reflection of *ABCDE* *ABCDE* ≅ \_\_\_\_\_\_\_\_\_\_



**A**

**P**

**ERFECT**

**M**

**ATCH**