



Unit 2 Review



Chapter 2 & Chapter 3



Translations, rotations, and reflections are all rigid transformations.

TRUE or FALSE?



An isometry is a translation, rotation or reflection.

TRUE or FALSE?



Component form is written as $(x, y) \rightarrow (x + 3, y - 5)$



or FALSE?



If triangle ABC is congruent to triangle XYZ, then segment BC is congruent to segment ZX.

TRUE or FALSE?



If Quadrilateral $CDEF \cong$ quadrilateral $HIJK$,
then $\angle E \cong \angle J$.

TRUE or FALSE?



What does the acronym CPCFC stand for?

**Corresponding Parts of Congruent
Figures are Congruent.**



$\triangle ABC$ is congruent to $\triangle XYZ$.

List all of the congruent corresponding parts.

$$\angle A \cong \angle X$$

$$\angle B \cong \angle Y$$

$$\angle C \cong \angle Z$$

$$\overline{AB} \cong \overline{XY}$$

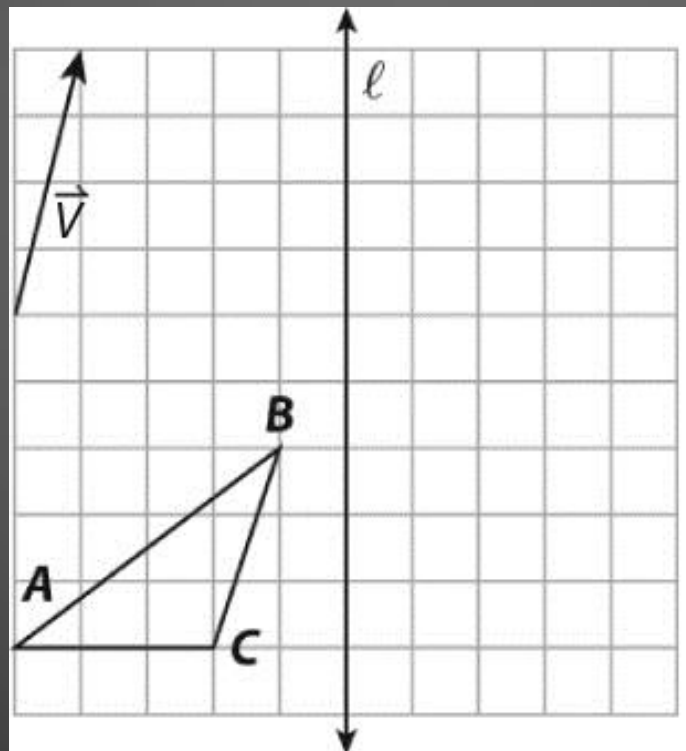
$$\overline{BC} \cong \overline{YZ}$$

$$\overline{CA} \cong \overline{ZX}$$



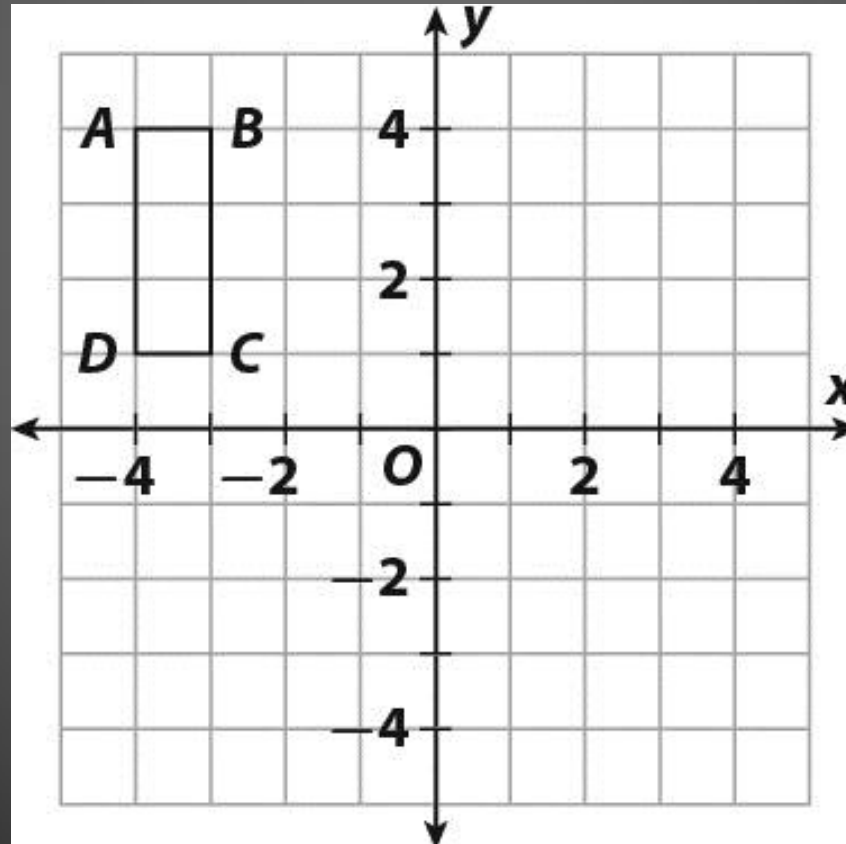
Draw the image of ABC after the given combination of transformations.

Translation along *the vector*, then reflection across line l .



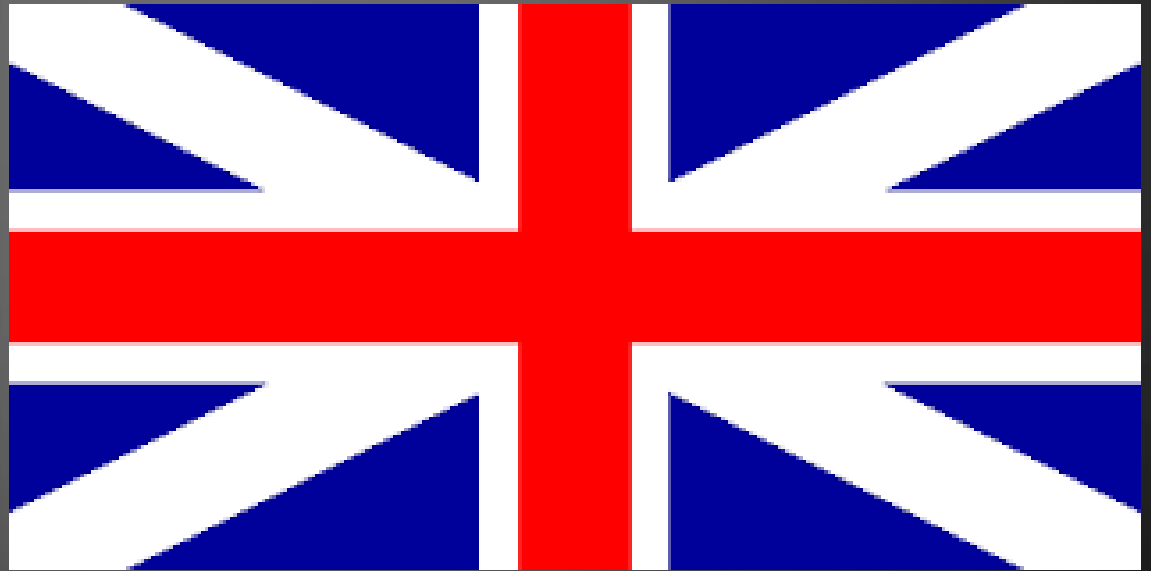
Draw the image of ABCD after the sequence of transformations.

Rectangle *ABCD* is reflected across the *y*-axis, rotated 90° clockwise, and translated along the vector $\langle -6, 2 \rangle$

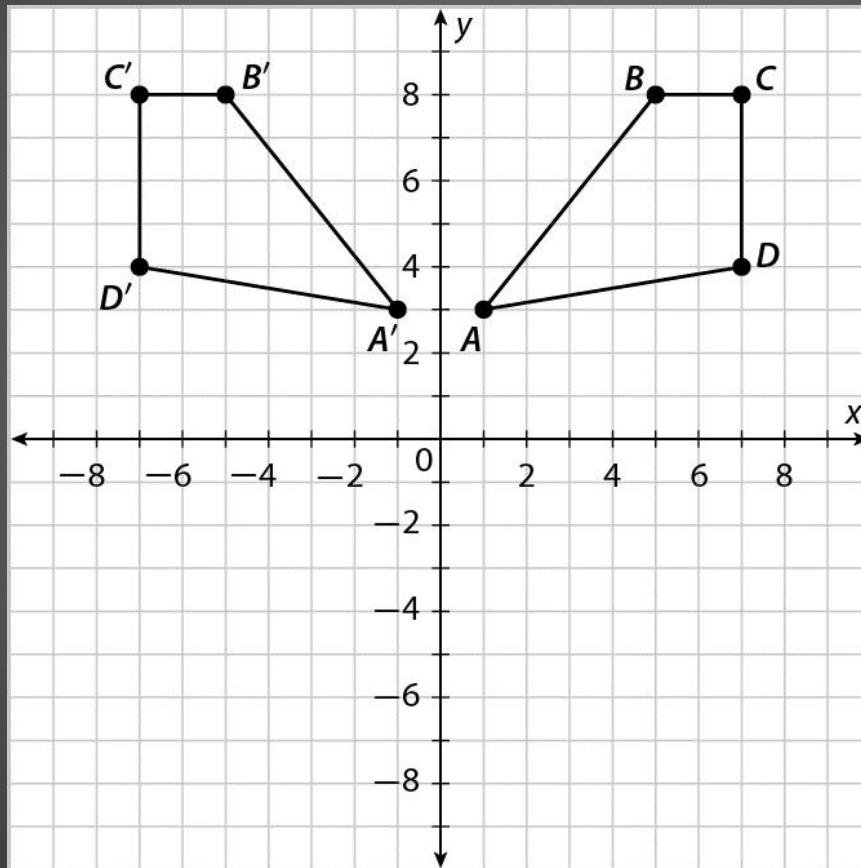


How many lines of symmetry
does the image have?

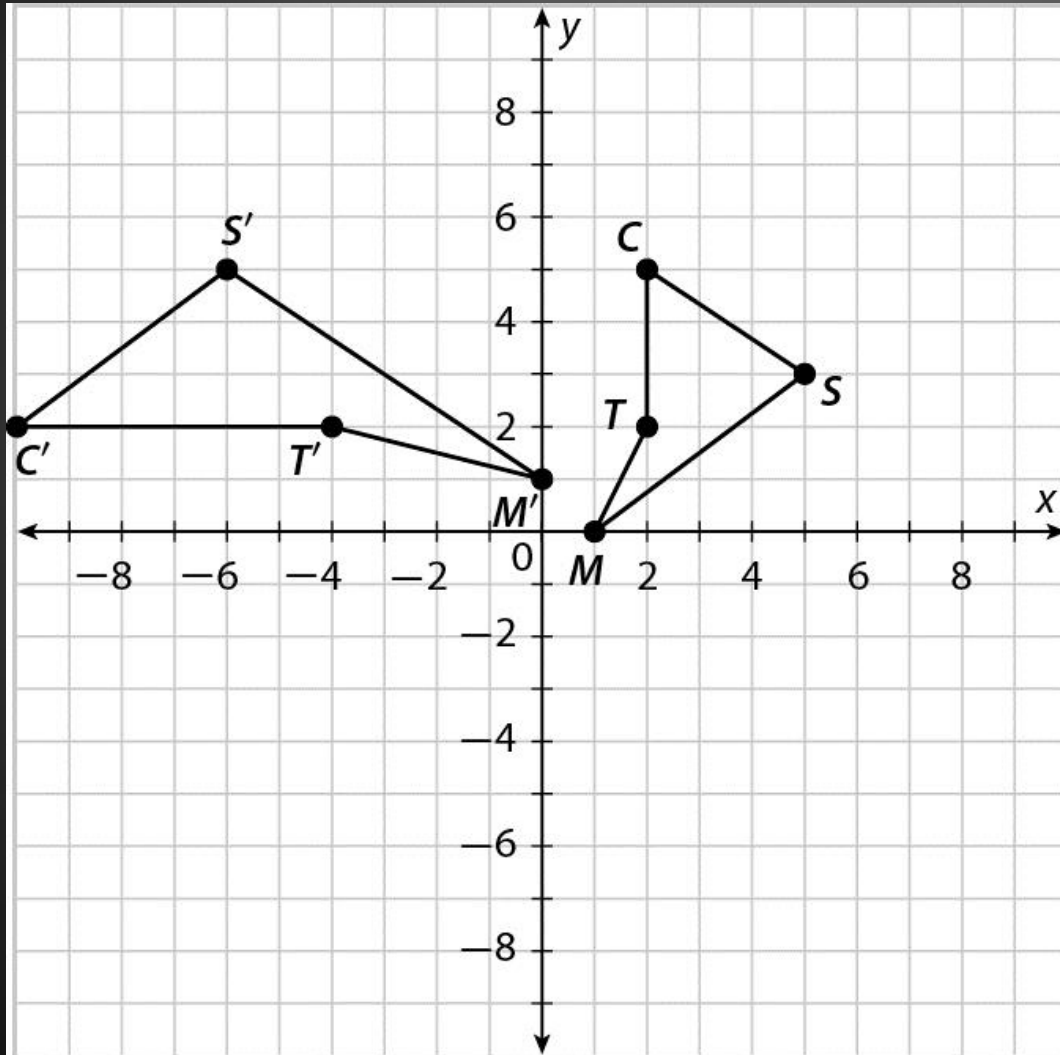
Does it have rotational
symmetry?



Are figures $ABCD$ and $A'B'C'D'$ congruent? Explain why or why not.

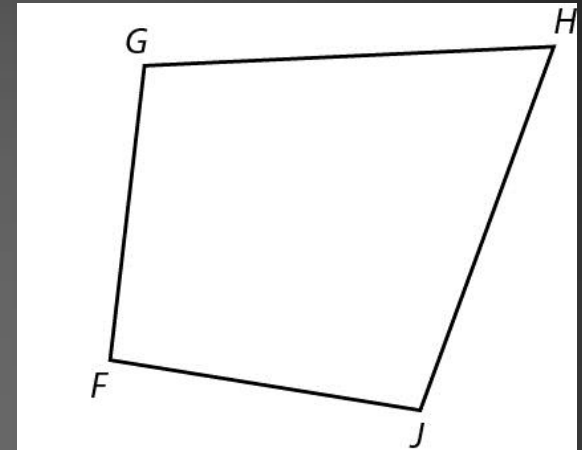


Are figures $CSMT$ and $C'S'M'T'$ congruent?
Explain why or why not?

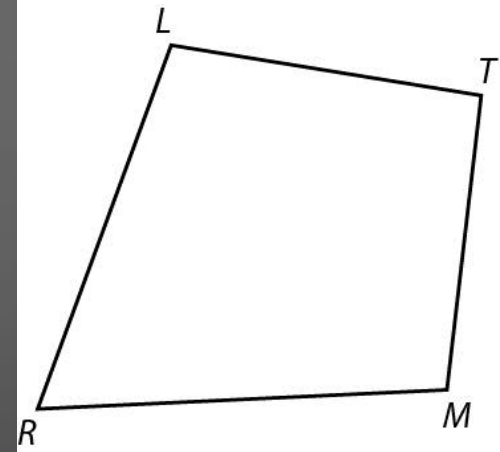


Quadrilateral $GHJF \cong$ Quadrilateral $MRLT$

List all the congruent angles:



List all the congruent sides:



Quadrilateral $ABCD \cong$ Quadrilateral $EFGH$.

In quadrilateral $ABCD$, $AB = 16$, $BC = 5w + 7$,
and in quadrilateral $EFGH$, $EF = 3y + 1$,
 $FG = 8$.

Find the value of the indicated variable.

Find the value of w :

Find the value of X :

Find the value of z :

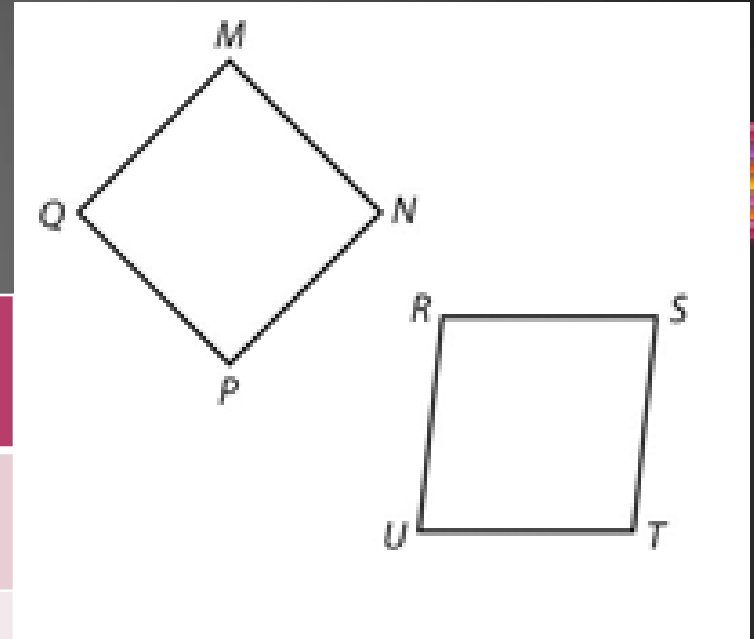


Given:

Quadrilateral $MNPQ \cong$ Quadrilateral $RSTU$;

$\overline{MN} \cong \overline{PQ}$.

Prove: $\overline{MN} \cong \overline{TU}$.



Statements	Reasons



Work Time: Review Packet

