

Training Header Sheet with Change Log Form

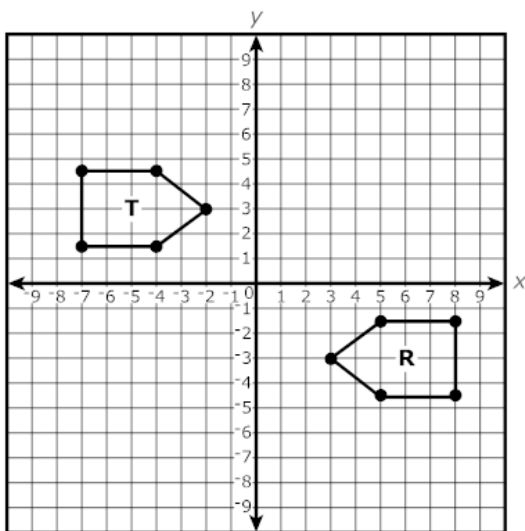
Kentucky Math
Operational

Grade 8/Math
Geometric transformations
MA082007

Qualification Sets

Date	Comments	Version
11.2022	Initial Operational Training Set	Set A

Figure R and Figure T are shown on the coordinate plane. Figure R is congruent to Figure T.

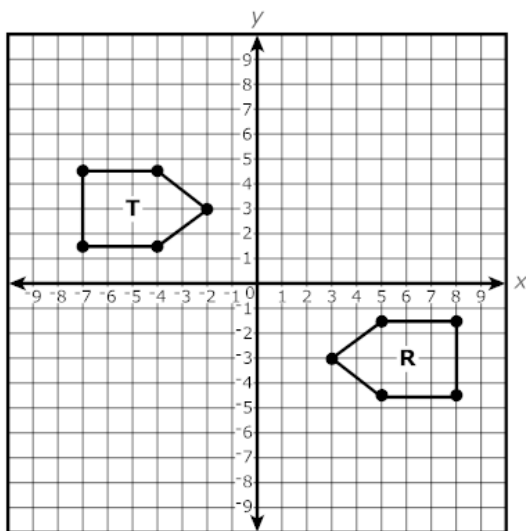


Which sequence of geometric transformations can be used to prove that Figure R is congruent to Figure T? Include any necessary units, direction, axes, or degrees in your description.

Enter your answer and your descriptions in the space provided.

first the points were translated to the left 1 time and the rotated 180 degrees to the right.

Figure R and Figure T are shown on the coordinate plane. Figure R is congruent to Figure T.

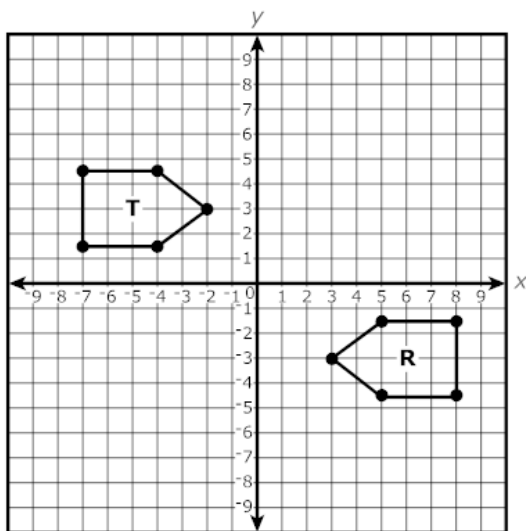


Which sequence of geometric transformations can be used to prove that Figure R is congruent to Figure T? Include any necessary units, direction, axes, or degrees in your description.

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first tey reflected it across the Y axis then moved it down 6 spaces

Figure R and Figure T are shown on the coordinate plane. Figure R is congruent to Figure T.

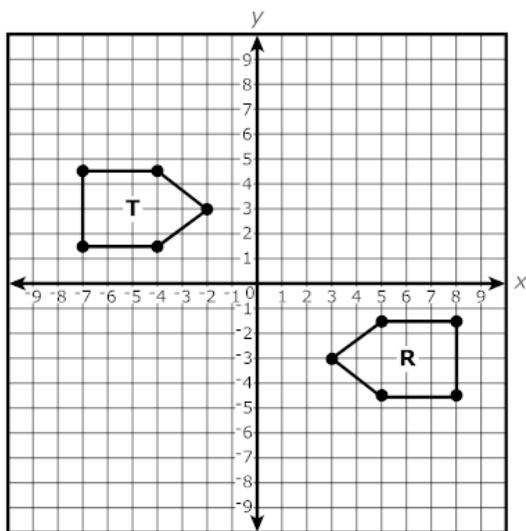


Which sequence of geometric transformations can be used to prove that Figure R is congruent to Figure T? Include any necessary units, direction, axes, or degrees in your description.

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a clockwise rotation can be made to get figure r from figure t to where it is

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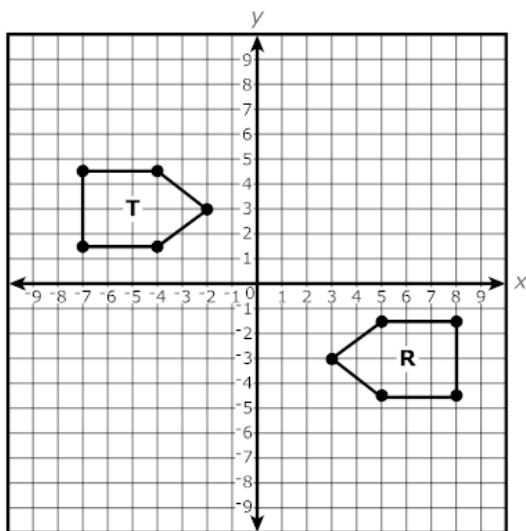


Which sequence of geometric transformations can be used to prove that Figure R is congruent to Figure T? Include any necessary units, direction, axes, or degrees in your description.

Enter your answer and your descriptions in the space provided.

Figure R is congruent to figure T because they are both the same size only that they are facing different directions.

Figure R and Figure T are shown on the coordinate plane. Figure R is congruent to Figure T.

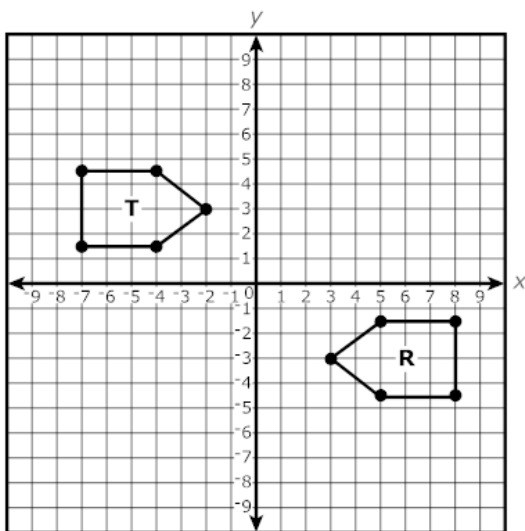


Which sequence of geometric transformations can be used to prove that Figure R is congruent to Figure T? Include any necessary units, direction, axes, or degrees in your description.

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reflect R over the y - $axis$, then translate 6 units up

Figure R and Figure T are shown on the coordinate plane. Figure R is congruent to Figure T.

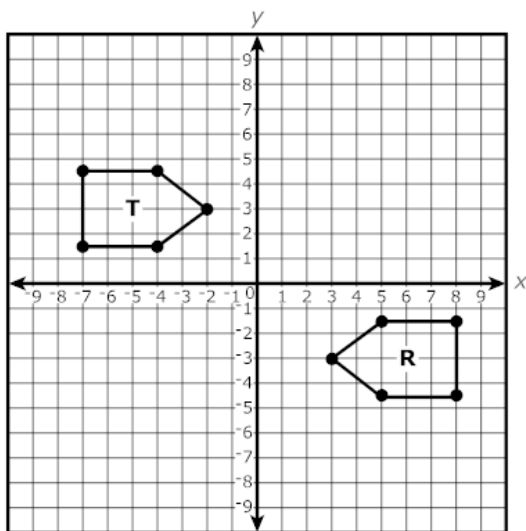


Which sequence of geometric transformations can be used to prove that Figure R is congruent to Figure T? Include any necessary units, direction, axes, or degrees in your description.

Enter your answer and your descriptions in the space provided.

Figure R is congruent to Figure T. This is true because if you reflect Figure T over the y - axis and then move the figure down 6 units and to the right 1 unit then it would be the exact same shape as Figure R.

Figure R and Figure T are shown on the coordinate plane. Figure R is congruent to Figure T.

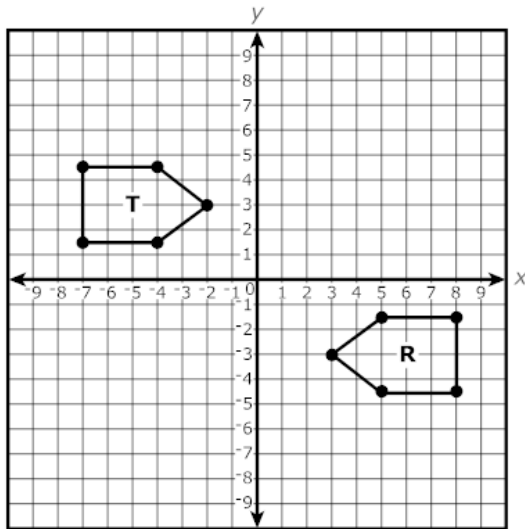


Which sequence of geometric transformations can be used to prove that Figure R is congruent to Figure T? Include any necessary units, direction, axes, or degrees in your description.

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you can flip or reflect shape R across the y axis and then you will translate it one cube to the right and up 7

Figure R and Figure T are shown on the coordinate plane. Figure R is congruent to Figure T.

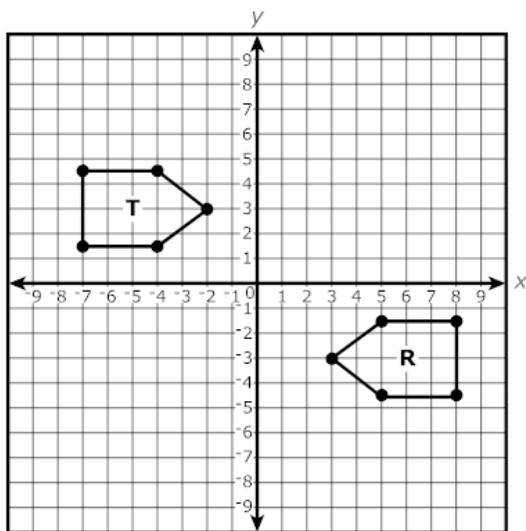


Which sequence of geometric transformations can be used to prove that Figure R is congruent to Figure T? Include any necessary units, direction, axes, or degrees in your description.

Enter your answer and your descriptions in the space provided.

The base of each figure is 3 units. The parallel sides are also 3 units. If you were to draw both figures side by side, they would be the same.

Figure R and Figure T are shown on the coordinate plane. Figure R is congruent to Figure T.

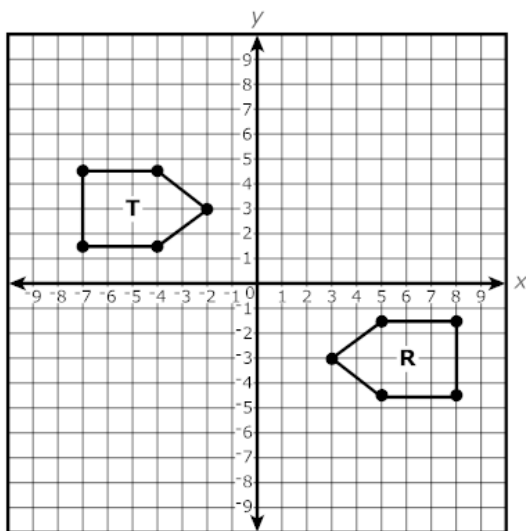


Which sequence of geometric transformations can be used to prove that Figure R is congruent to Figure T? Include any necessary units, direction, axes, or degrees in your description.

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Rotate figure R 180° counterclockwise.

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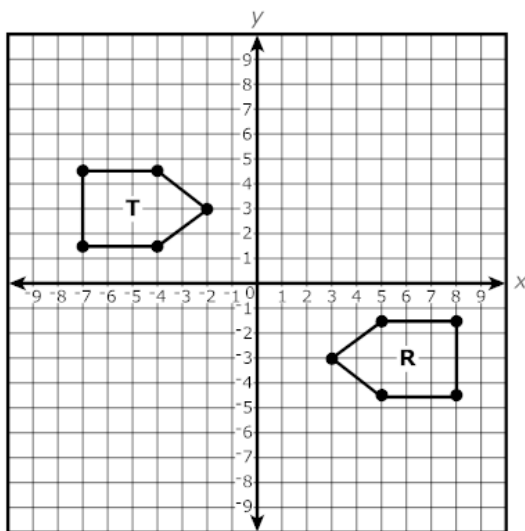


Which sequence of geometric transformations can be used to prove that Figure R is congruent to Figure T? Include any necessary units, direction, axes, or degrees in your description.

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by flipping them around and matching the to each other.

Figure R and Figure T are shown on the coordinate plane. Figure R is congruent to Figure T.



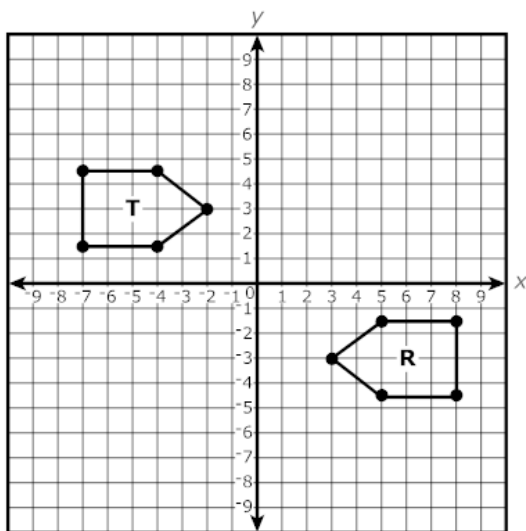
Which sequence of geometric transformations can be used to prove that Figure R is congruent to Figure T? Include any necessary units, direction, axes, or degrees in your description.

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Figure R is congruent to Figure T because it is the same size and shape, just pointing a different direction. It was rotated, then translated $(-1, 0)$

First, it had to be rotated 180° . I picked the coordinate $(3, -3)$ and rotated it 180° . That made it $(-3, 3)$. Then it translated over to the right one to get $(-2, 3)$.

Figure R and Figure T are shown on the coordinate plane. Figure R is congruent to Figure T.

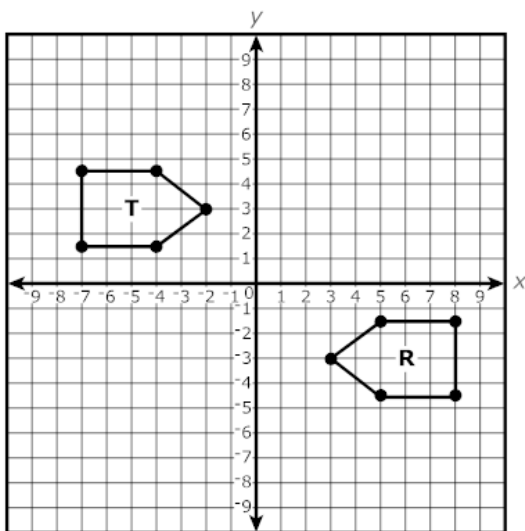


Which sequence of geometric transformations can be used to prove that Figure R is congruent to Figure T? Include any necessary units, direction, axes, or degrees in your description.

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There was a reflection across the Y axis and then another reflection across the X axis.

Figure R and Figure T are shown on the coordinate plane. Figure R is congruent to Figure T.

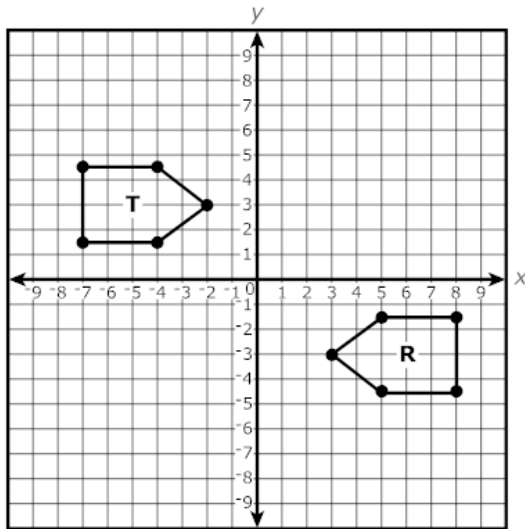


Which sequence of geometric transformations can be used to prove that Figure R is congruent to Figure T? Include any necessary units, direction, axes, or degrees in your description.

Enter your answer and your descriptions in the space provided.

The geometric transformation that can be used to prove that Figure R is congruent to Figure T is 180° rotation.

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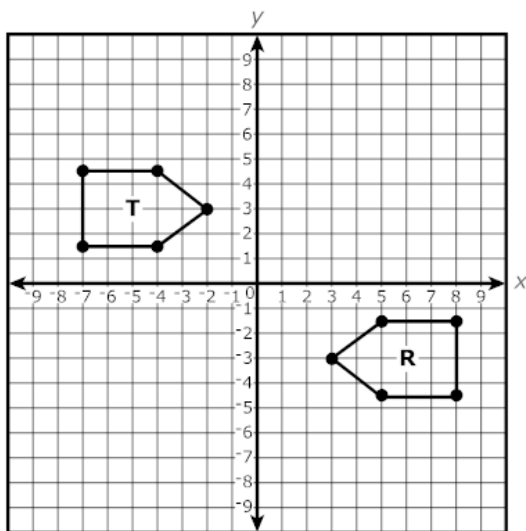


Which sequence of geometric transformations can be used to prove that Figure R is congruent to Figure T? Include any necessary units, direction, axes, or degrees in your description.

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Figure R is congruent to figure T because on the sides of the shapes there are 3 boxes on each side.

Figure R and Figure T are shown on the coordinate plane. Figure R is congruent to Figure T.

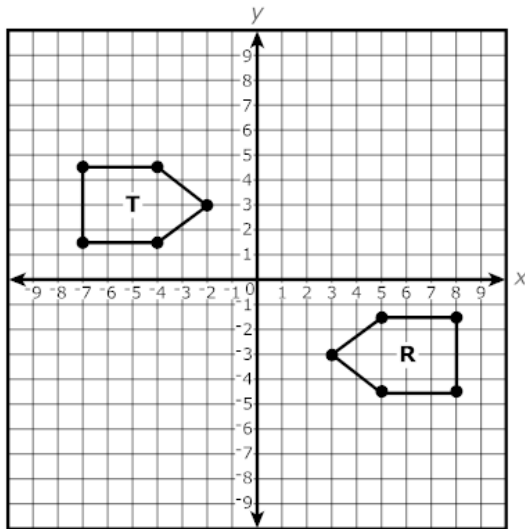


Which sequence of geometric transformations can be used to prove that Figure R is congruent to Figure T? Include any necessary units, direction, axes, or degrees in your description.

Enter your answer and your descriptions in the space provided.

Figure R is congruent to figure T, because figure R moved up 6 and reflected over the y axis

Figure R and Figure T are shown on the coordinate plane. Figure R is congruent to Figure T.

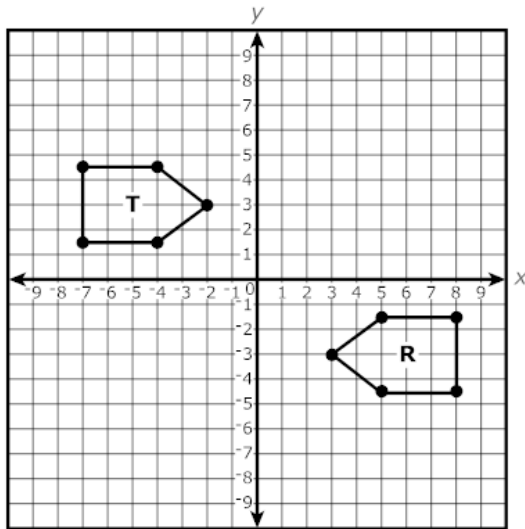


Which sequence of geometric transformations can be used to prove that Figure R is congruent to Figure T? Include any necessary units, direction, axes, or degrees in your description.

Enter your answer and your descriptions in the space provided.

To prove that Figure R is congruent to Figure T, first do a translation for Figure R up 6 on the y axis, then do a reflexion across the y axis. Next, do a translation of right 1 across the x axis on Figure R.

Figure R and Figure T are shown on the coordinate plane. Figure R is congruent to Figure T.

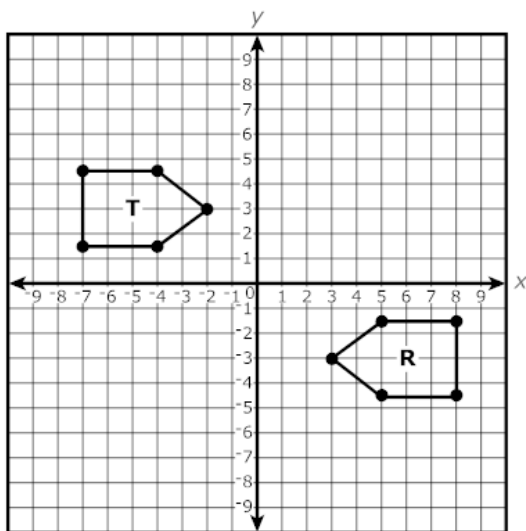


Which sequence of geometric transformations can be used to prove that Figure R is congruent to Figure T? Include any necessary units, direction, axes, or degrees in your description.

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A reflection because it is reflecting across an axis to another point like a mirror's reflection

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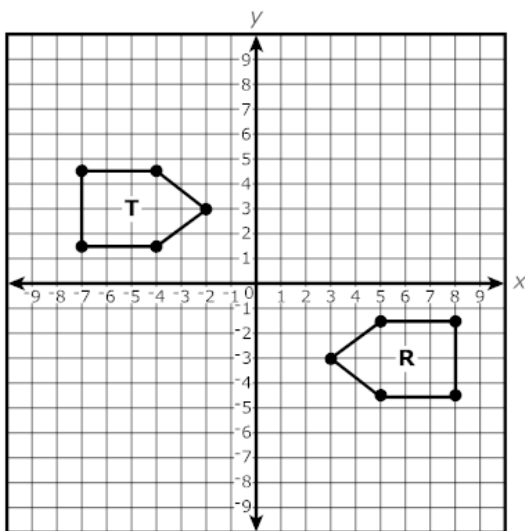


Which sequence of geometric transformations can be used to prove that Figure R is congruent to Figure T? Include any necessary units, direction, axes, or degrees in your description.

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- 1.) reflection over $y - axis$
- 2.) translation down over $x - axis$ 6 units

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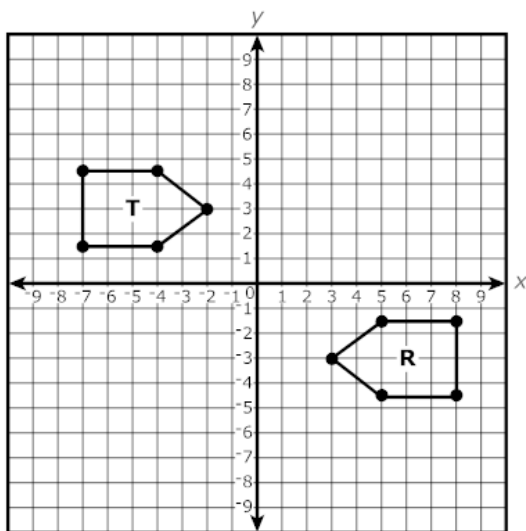


Which sequence of geometric transformations can be used to prove that Figure R is congruent to Figure T? Include any necessary units, direction, axes, or degrees in your description.

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The figure R is congruent to figure T because figure T rotates to turn into R.

Figure R and Figure T are shown on the coordinate plane. Figure R is congruent to Figure T.



Which sequence of geometric transformations can be used to prove that Figure R is congruent to Figure T? Include any necessary units, direction, axes, or degrees in your description.

Enter your answer and your descriptions in the space provided.

Figure R is congruent because it is underneath the X axis and figure T is above the X axis