Two objects/figures

## ExamView

Which of the follwing states:

Line segment CD is congruent to line segment AB?

a. 
$$\overline{AD} = \overline{AB}$$
  
b.  $\overline{CD} \cong \overline{AB}$ 

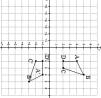
c. 
$$\overline{CD} = \overline{AB}$$
  
d.  $\overline{AD} \cong \overline{AB}$ 

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Which of the following sequences of transformations is used to obtain figure AB'CD' from figure ABCD?

- Reflection about the y-axis followed by a translation to the right by 1 unit
   Counterclockwise rotation by 270 degrees about the origin followed by a
   translation to the up by 1 unit
   Clockwise rotation by 90 degrees about the origin followed by a translation to
- d. Reflection about the x-axis followed by a translation to the left by 1 unit

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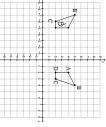


translation? Which statement is true about the result of a rigid transformation involving a

- The pre-image will be congruent to the image.
- Each one is unique; no general statement can be made about size.
- The pre-image will be larger than the image. The image will be larger than the pre-image.

1

Figure ABCD is tran ed to figure A'B'CD', as shown:



used to obtain figure

Which of the following sequences of transformations is A'B'C'D' from figure ABCD?

- a. Reflection about the y-axis followed by a translation to the left by 3 units. Reflection about the x-axis followed by a translation to the up by 3 units. C. Clockwise rotation by 90 degrees about the origin followed by a translation to the right by 3 units.
  4. Counterclockwise rotation by 270 degrees about the origin followed by a translation to the right by 3 units.

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ExamView

Which of the follwing states:

Line segment AD is congruent to line segment CB?

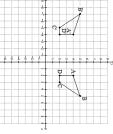
a. 
$$\overline{AD} = \overline{CB}$$
  
b.  $\overline{AB} = \overline{CD}$ 

þ.

c. 
$$\overline{AD} \cong \overline{CB}$$
  
d.  $\overline{AB} \cong \overline{CD}$ 

ExamView

Figure ABCD is transformed to figure AB'CD', as shown:



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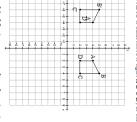
Which statement best describes the relationship between the two figures?

Figure ABCD is bigger than figure ABCD.
 The measure of angle B is equal to the measure of angle C.
 Figure ABCD is congunent to figure ABCD.
 The measure of angle A is equal to the measure of angle B.

ExamView

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Figure ABCD is transformed to figure A'B'C'D', as shown



Which of the following sequences of transformations is used to obtain figure  $AB^*CD^*$  from figure ABCD?

- a Counterclockwise rotation by 210 degrees about the origin followed by a translation to the right by 2 units b. Clockwise rotation by 90 degrees about the origin followed by a translation to the right by 2 units c. Reflection about the y-axis followed by a translation to the left by 2 units d. Reflection about the x-axis followed by a translation to the up by 2 units

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