

## Lesson 5-7

### *similarity transformations*

Definition

creates similar  
figures

Example

• dilation

### *congruence transformations*

Definition

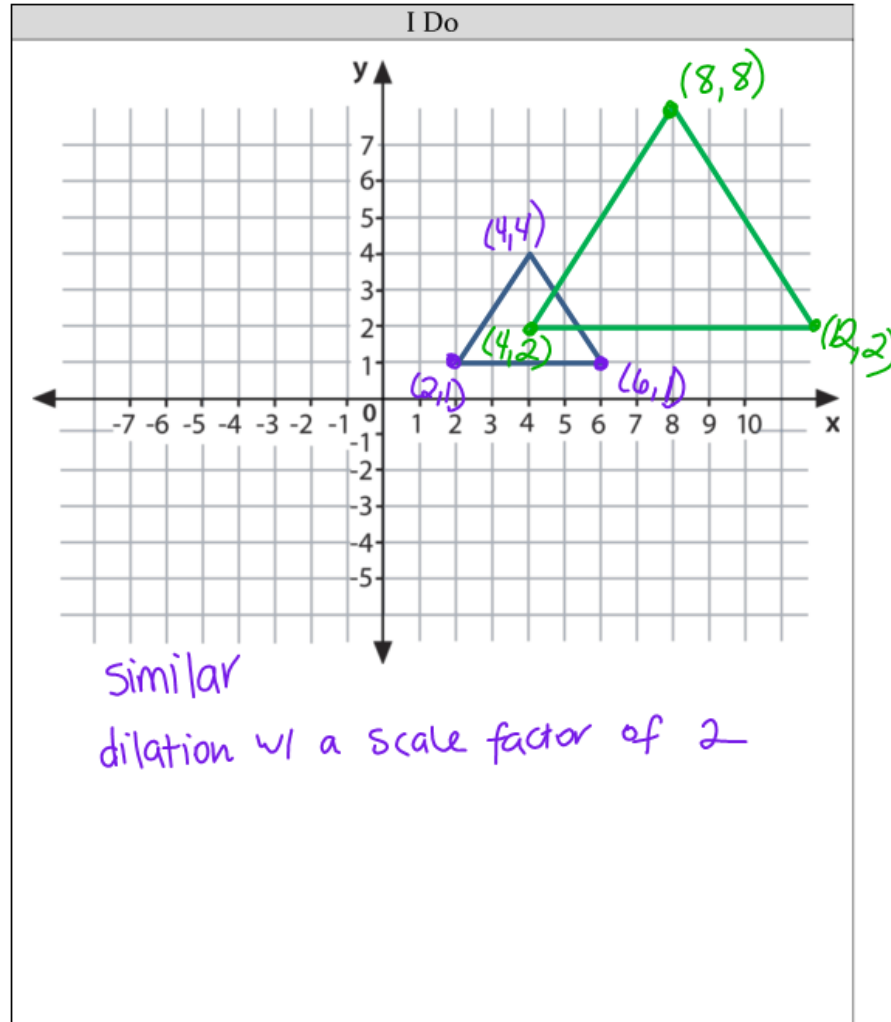
creates congruent  
figures

Example

• reflections  
• translations  
• rotation

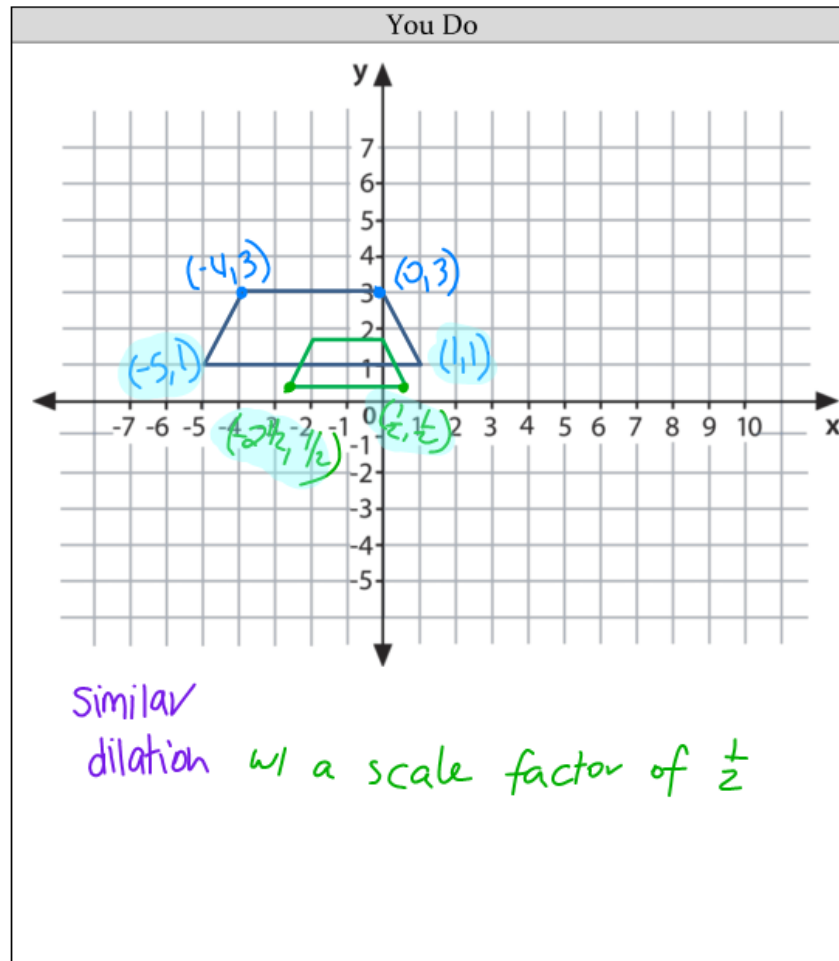
**Example 1: Identifying Similarity Transformations**

Identify the transformation from the original (blue) to the image (green), and tell whether the two figures are similar or congruent.



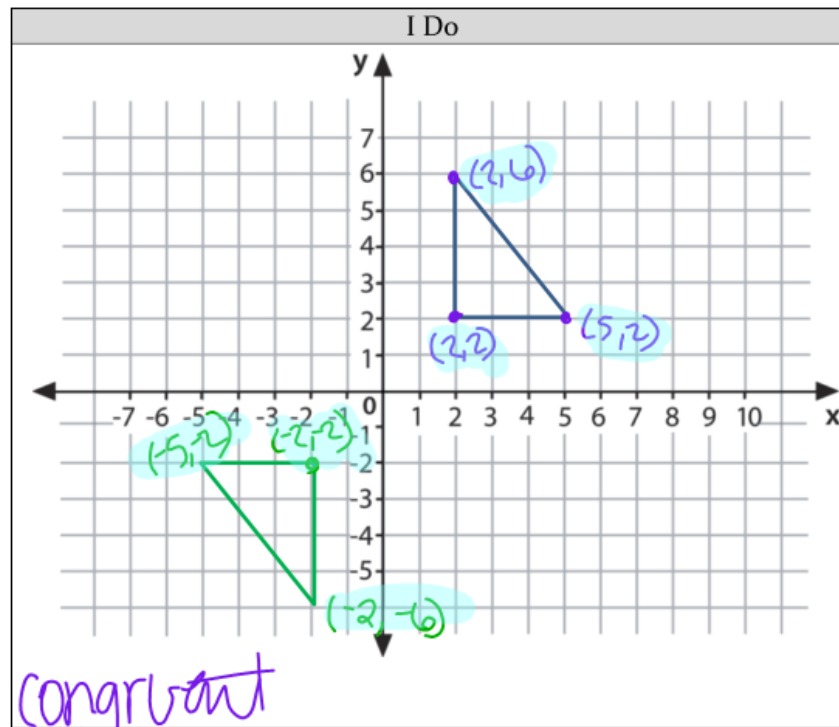
**Example 1: Identifying Similarity Transformations**

Identify the transformation from the original (blue) to the image (green), and tell whether the two figures are similar or congruent.

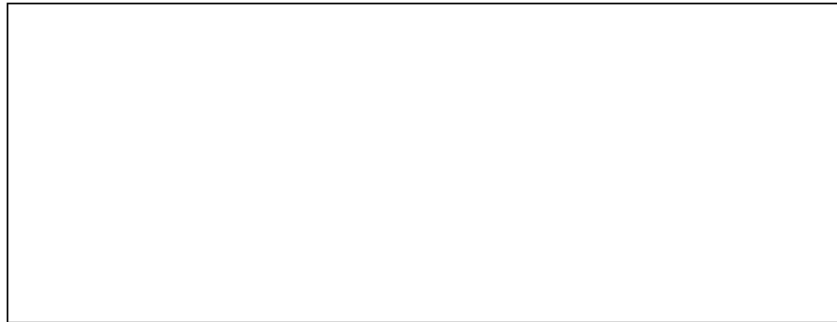


**Example 2: Identifying Congruence Transformations**

Identify each transformation from the original (blue) to the image (green), and tell whether the two figures are similar or congruent.

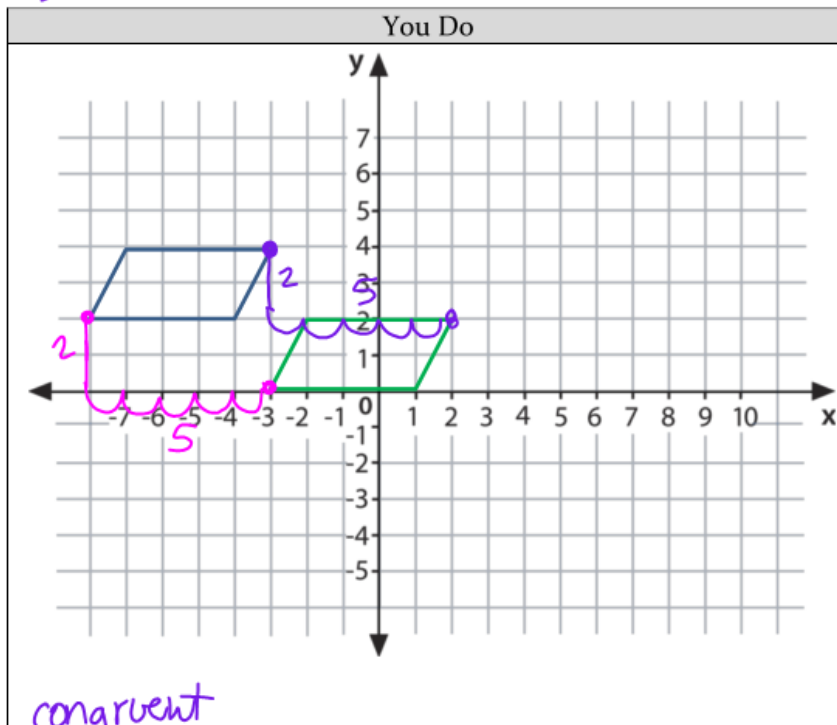


congruent  
rotation  $180^\circ$



### Example 2: Identifying Congruence Transformations

Identify each transformation from the original (blue) to the image (green), and tell whether the two figures are similar or congruent.



congruent  
translation down 2 right 5

