

LESSON 29: Transformations and Similarity

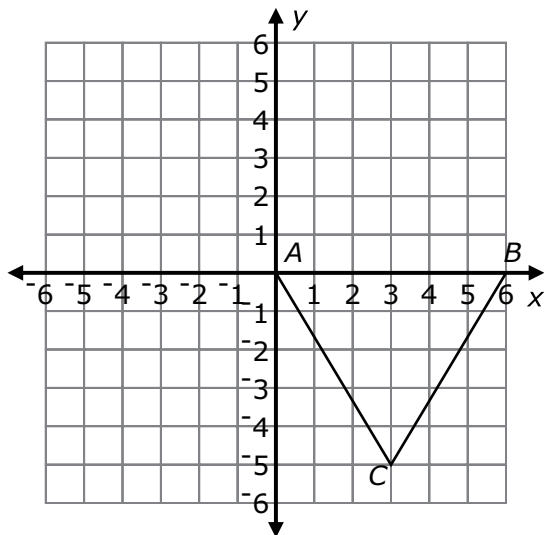
Homework

Name _____

Date _____

Directions: For Step 1, apply a dilation by applying a scale factor of one-half to figure ABC . Then, for Step 2, apply a 180° rotation about the origin.

1.



Step 1:

Vertex	Coordinates
A'	
B'	
C'	

Congruent or Similar?

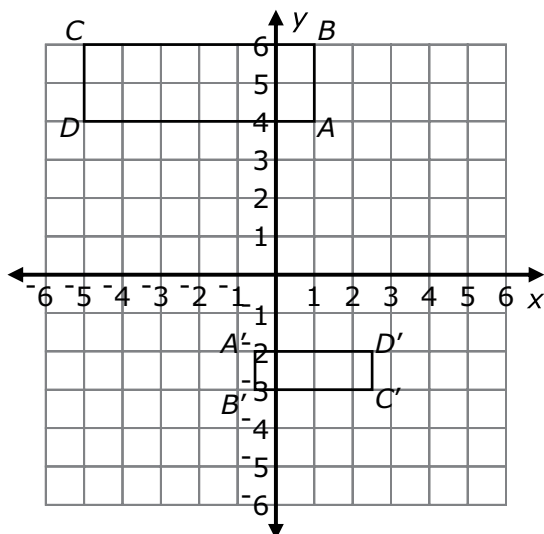
Step 2:

Vertex	Coordinates
A''	
B''	
C''	

Congruent or Similar?

Identify the sequence of transformations from Figure $ABCD$ to Figure $A'B'C'D'$.

2.



Step 1:

Step 2: