

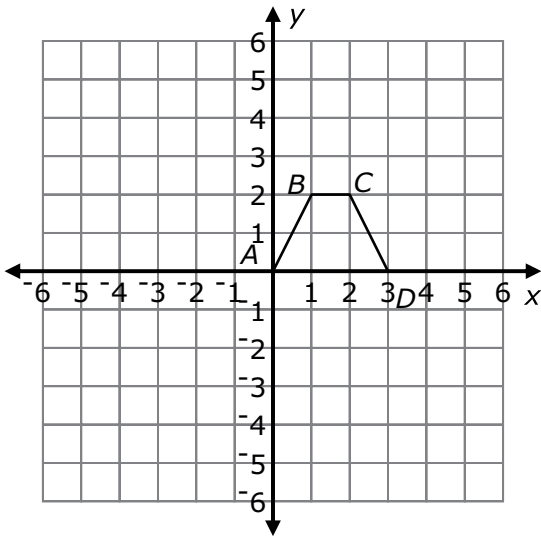
LESSON 28: The Effects of Transformations

Homework

Name _____ Date _____

Directions: Identify the coordinates of the dilated figure based on the scale factor given. Plot the dilated figure.

1.



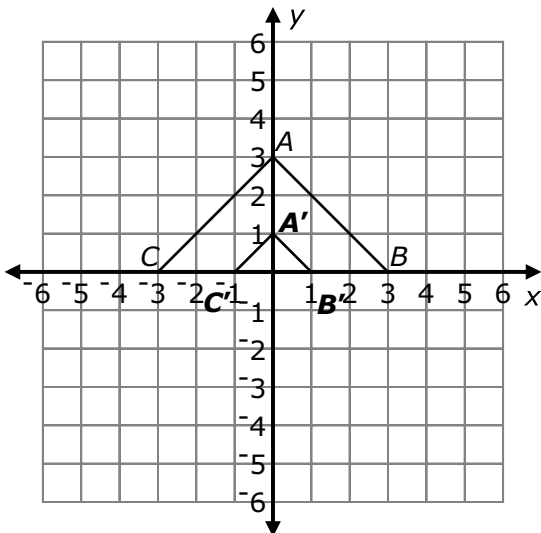
Scale Factor: 2

Vertex	Coordinates
A	
B	
C	
D	

Vertex	Coordinates
A'	
B'	
C'	
D'	

Identify the scale factor applied to the original figure below. Complete the tables.

2.



Scale Factor: ____

Vertex	Coordinates
A	
B	
C	

Vertex	Coordinates
A'	
B'	
C'	

LESSON 28: The Effects of Transformations

Homework

Name _____ Date _____

Directions: Identify the specific transformation that has occurred. Be specific regarding the degrees of rotation, axis of reflection, direction of translation or scale factor of dilation.

3.

Point	Coordinates	Point	Coordinates
A	(2, 4)	A'	(1, 2)
B	(8, 8)	B'	(4, 4)
C	(6, 2)	C'	(3, 1)

4.

Point	Coordinates	Point	Coordinates
A	(2, 4)	A'	(2, -4)
B	(8, 8)	B'	(8, -8)
C	(6, 2)	C'	(6, -2)

5.

Point	Coordinates	Point	Coordinates
A	(2, 4)	A'	(-3, 7)
B	(8, 8)	B'	(3, 11)
C	(6, 2)	C'	(1, 5)

6.

Point	Coordinates	Point	Coordinates
A	(2, 4)	A'	(-2, -4)
B	(8, 8)	B'	(-8, -8)
C	(6, 2)	C'	(-6, -2)

7.

Point	Coordinates	Point	Coordinates
A	(2, 4)	A'	(-2, 4)
B	(8, 8)	B'	(-8, 8)
C	(6, 2)	C'	(-6, 2)

8.

Point	Coordinates	Point	Coordinates
A	(2, 4)	A'	(14, 28)
B	(8, 8)	B'	(56, 56)
C	(6, 2)	C'	(42, 14)