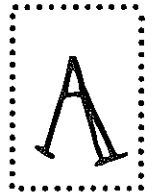


Name: Key

Date: _____

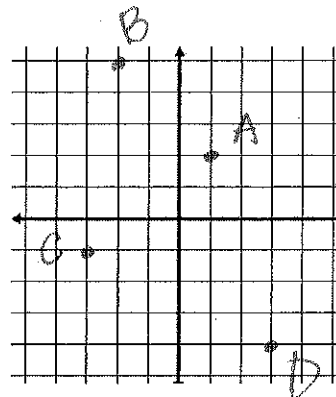
Class: _____

Transformations Quiz



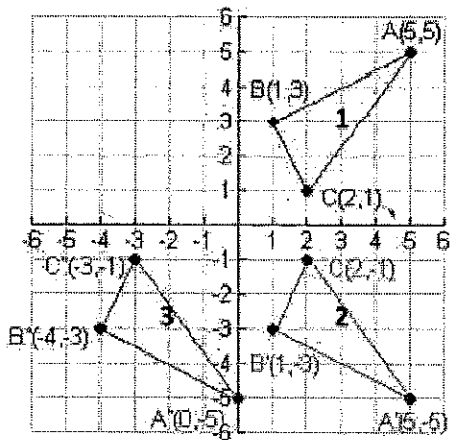
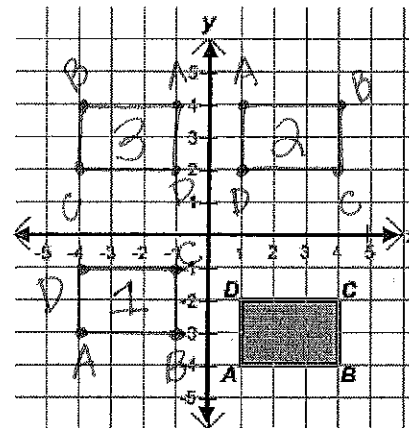
Plot and label the following points:

A (1,2), B(-2,5), C(-3,-1), D(3,-4)



Draw the shaded rectangle after:

1. It has been translated -5 horizontally and +1 vertically. Label the new rectangle 1.
2. It has been reflected over the x-axis. Label this new rectangle 2.
3. It has been rotated 180° clockwise about the origin. Label this new rectangle 3.



4. Describe fully the transformation that takes triangle 1 to triangle 2.

Triangle 1 was reflected over the x-axis to form triangle 2.

5. Describe fully the transformation that takes triangle 2 to triangle 3.

Triangle 2 was translated -5 horizontally to form triangle 3.

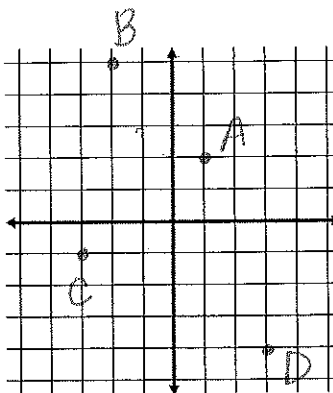
Name: Key Date: _____ Class: _____

Transformations Quiz

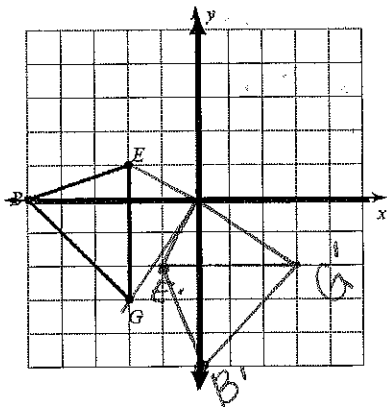
B

Plot and label the following points:

A (1,2), B(-2,5), C(-3,-1), D(3,-4)

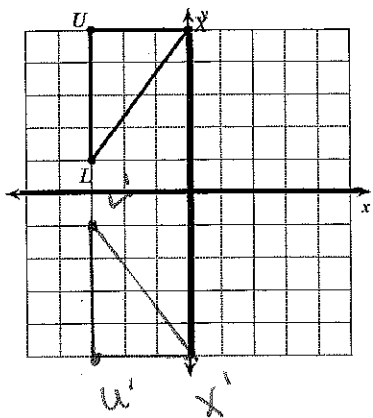


1. Rotate $\triangle BEG$ 90° counter clockwise about the origin to form $\triangle B'E'G'$. List the new coordinates.



$E'(-1, -2)$
 $G'(3, -2)$
 $B'(0, -5)$

Reflect $\triangle LUX$ using the x-axis as the line of reflection to create $\triangle L'U'X'$. List the new coordinates.



$L'(-3, -1)$
 $U'(-3, -5)$
 $X'(0, -5)$

What would be the coordinates of the point (1,4) after it is:

Reflected over the x-axis (1, -4)

Reflected over the y-axis (-1, 4)

Rotated 180° about the origin (-1, -4)

Rotated 90° counterclockwise about the origin (-4, 1)