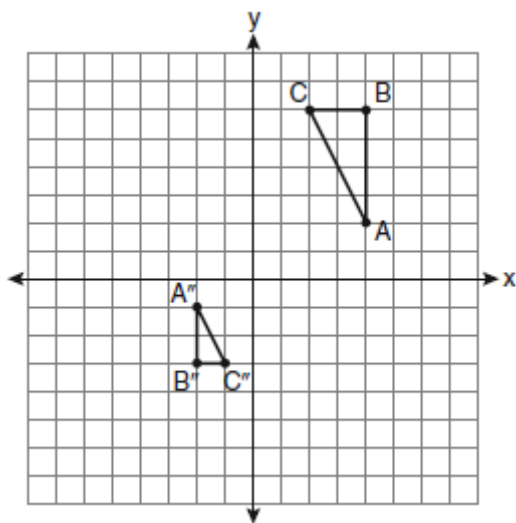


NAME: \_\_\_\_\_

*G.G.60: Identify specific similarities by observing orientation, numbers of invariant points, and/or parallelism*

1. 060908ge, P.I. G.G.60

After a composition of transformations, the coordinates  $A(4,2)$ ,  $B(4,6)$ , and  $C(2,6)$  become  $A''(-2,-1)$ ,  $B''(-2,-3)$ , and  $C''(-1,-3)$ , as shown on the set of axes below.

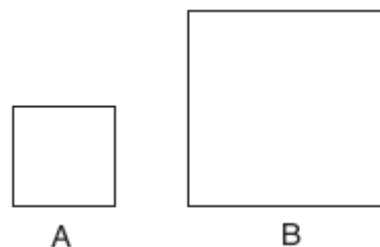


Which composition of transformations was used?

- [A]  $D_{\frac{1}{2}} \circ R_{90^\circ}$  [B]  $D_{\frac{1}{2}} \circ R_{180^\circ}$   
[C]  $R_{90^\circ} \circ D_2$  [D]  $R_{180^\circ} \circ D_2$

2. 010804a, P.I. G.G.60

In the accompanying diagram, figure B is the image of figure A.

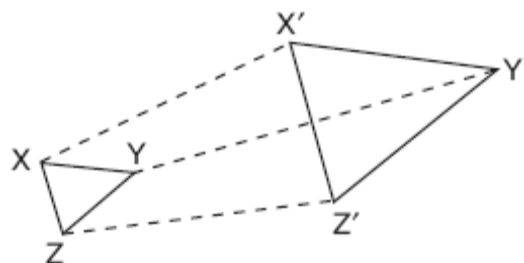


Which type of transformation was performed?

- [A] reflection [B] dilation  
[C] translation [D] rotation

3. 060711a, P.I. G.G.60

The accompanying diagram shows the transformation of  $\triangle XYZ$  to  $\triangle X'Y'Z'$ .



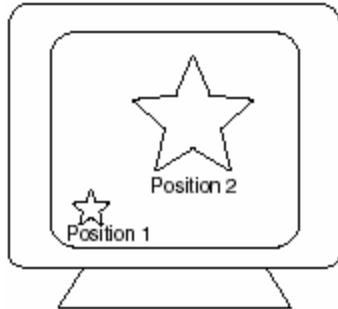
This transformation is an example of a

- [A] rotation [B] translation  
[C] line reflection [D] dilation

NAME: \_\_\_\_\_

4. 080506a, P.I. G.G.60

As shown in the accompanying diagram, the star in position 1 on a computer screen transforms to the star in position 2.

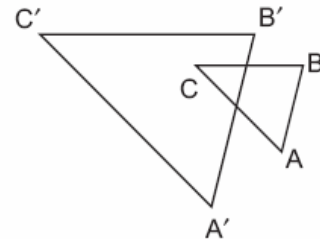


This transformation is best described as a

- [A] line reflection      [B] dilation  
[C] translation        [D] rotation

5. 060216a, P.I. G.G.60

In the accompanying diagram,  $\triangle ABC$  is similar to but not congruent to  $\triangle A'B'C'$ . Which transformation is represented by  $\triangle A'B'C'$ ?



- [A] translation              [B] dilation  
[C] rotation                [D] reflection

*G.G.60: Identify specific similarities by observing orientation, numbers of invariant points, and/or parallelism*

[1] B \_\_\_\_\_

[2] B \_\_\_\_\_

[3] D \_\_\_\_\_

[4] B \_\_\_\_\_

[5] B \_\_\_\_\_