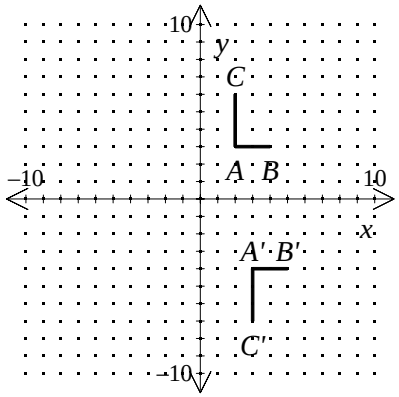
NAME:_____

NOTE: The following problems incorrectly refer to compositions of transformations as glide reflections. These compositions are not glide reflections as the transalations are not through a vector parallel to the line of reflection.

P.I. G.G.54: Define, investigate, justify, and apply isometries in the plane (rotations, reflections, translations, glide reflections)

1. Which glide reflection could map figure *ABC* to figure *A'B'C'?*



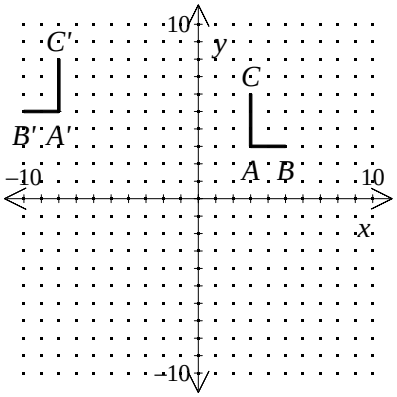
[A] $\langle -1, 1 \rangle$ and $x = -1$

[B] $\langle 1, -1 \rangle$ and $y = -1$

[C] $\langle 1, 0 \rangle$ and $y = -1$

[D] $\langle 0, 1 \rangle$ and $x = -1$

2. Which glide reflection could map figure *ABC* to figure *A'B'C'?*



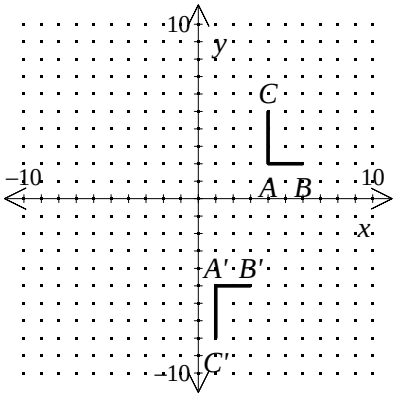
[A] $\langle -1, 2 \rangle$ and $x = -3$

[B] $\langle 3, -1 \rangle$ and $y = -3$

[C] $\langle 2, -1 \rangle$ and $y = -3$

[D] $\langle -1, 3 \rangle$ and $x = -3$

3. Which glide reflection could map figure *ABC* to figure *A'B'C'?*



[A] $\langle 1, -3 \rangle$ and $x = -1$

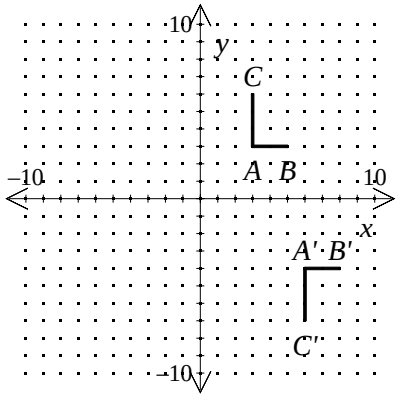
[B] $\langle -3, 1 \rangle$ and $y = -1$

[C] $\langle -3, 2 \rangle$ and $y = -1$

[D] $\langle 2, -3 \rangle$ and $x = -1$

NAME:_____

4. Which glide reflection could map figure *ABC* to figure *A′B′C′*?



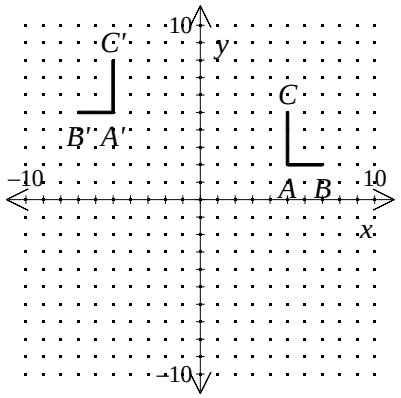
[A] $\langle 3, 0 \rangle$ and $y = -1$

[B] $\langle -1, 3 \rangle$ and $x = -1$

[C] $\langle 3, -1 \rangle$ and $y = -1$

[D] $\langle 0, 3 \rangle$ and $x = -1$

5. Which glide reflection could map figure *ABC* to figure *A′B′C′*?



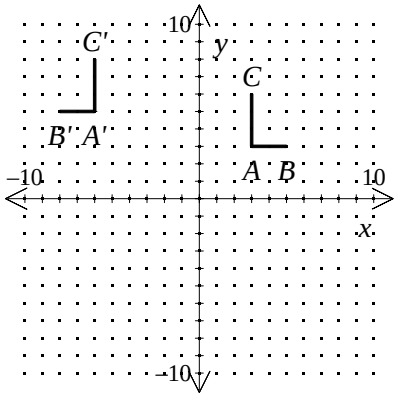
[A] $\langle 4, 0 \rangle$ and $y = 0$

[B] $\langle 3, 0 \rangle$ and $y = 0$

[C] $\langle 0, 4 \rangle$ and $x = 0$

[D] $\langle 0, 3 \rangle$ and $x = 0$

6. Which glide reflection could map figure *ABC* to figure *A′B′C′*?



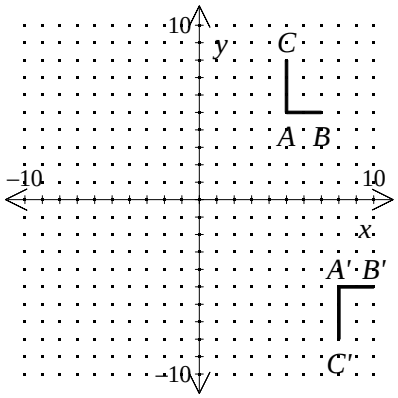
[A] $\langle -3, 2 \rangle$ and $x = -3$

[B] $\langle 3, -3 \rangle$ and $y = -3$

[C] $\langle 2, -3 \rangle$ and $y = -3$

[D] $\langle -3, 3 \rangle$ and $x = -3$

7. Which glide reflection could map figure *ABC* to figure *A′B′C′*?



[A] $\langle 1, 3 \rangle$ and $x = 0$

[B] $\langle 3, 0 \rangle$ and $y = 0$

[C] $\langle 0, 3 \rangle$ and $x = 0$

[D] $\langle 3, 1 \rangle$ and $y = 0$

[1] B

[2] A

[3] B

[4] C

[5] D

[6] A

[7] B