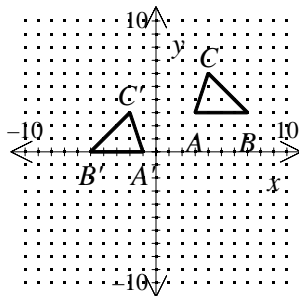


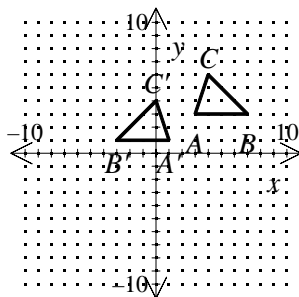
P.I. G.G.54: Define, investigate, justify, and apply isometries in the plane (rotations, reflections, translations, glide reflections)

1. Which of the following shows the image of $\triangle ABC$ under the glide reflection $\langle -1, -3 \rangle$ and $x = 1$?

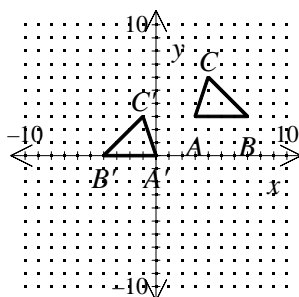
[A]



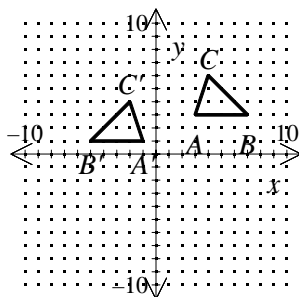
[B]



[C]



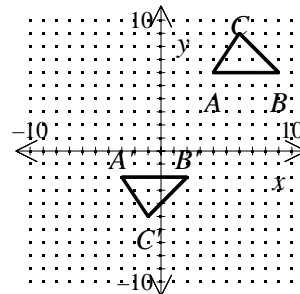
[D]



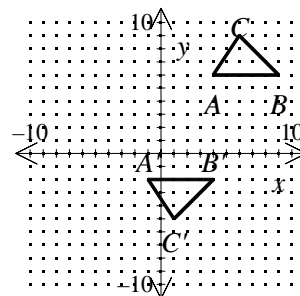
NAME: _____

2. Which of the following shows the image of $\triangle ABC$ under the glide reflection $\langle -6, -7 \rangle$ and $y = -2$?

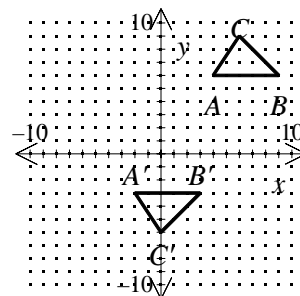
[A]



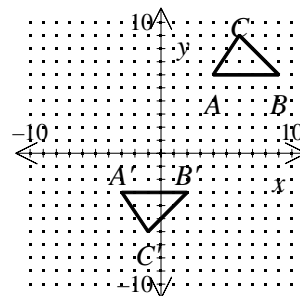
[B]



[C]



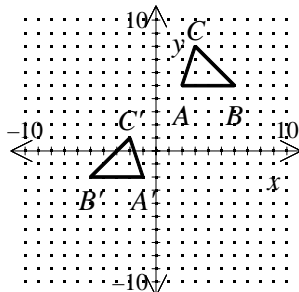
[D]



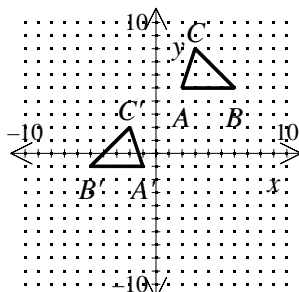
NAME: _____

3. Which of the following shows the image of $\triangle ABC$ under the glide reflection $\langle -8, -7 \rangle$ and $x = -3$?

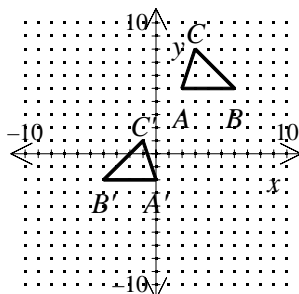
[A]



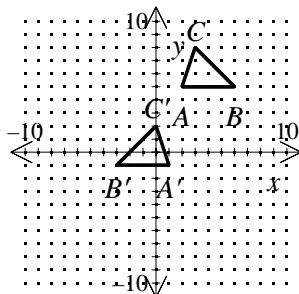
[B]



[C]

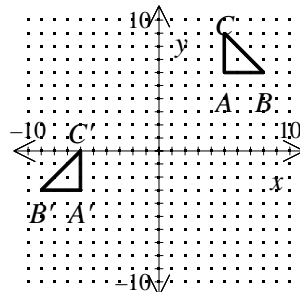


[D]

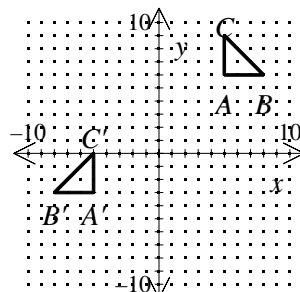


4. Which of the following shows the image of $\triangle ABC$ under the glide reflection $\langle -6, -9 \rangle$ and $x = -3$?

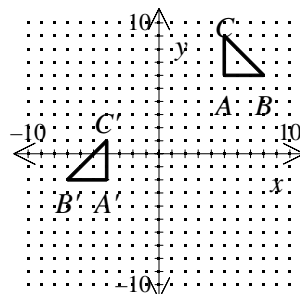
[A]



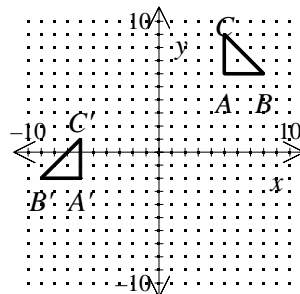
[B]



[C]



[D]



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

[1] C

[2] C

[3] C

[4] B