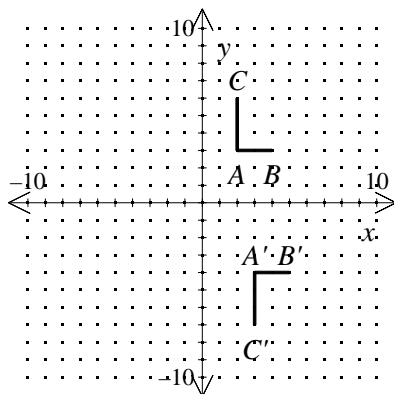


*P.I. G.G.58: Define, investigate, justify, and apply similarities (dilations and the composition of dilations and isometries)*

NOTE: The following 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.

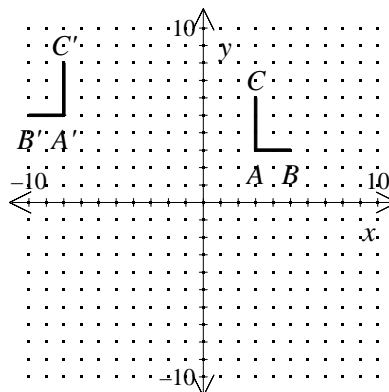
1. Which glide reflection could map figure  $ABC$  to figure  $A'B'C'$ ?



- [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  $x = -1$

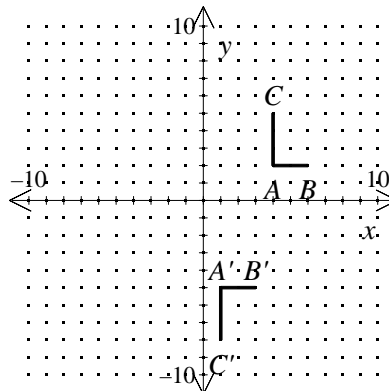
NAME: \_\_\_\_\_

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



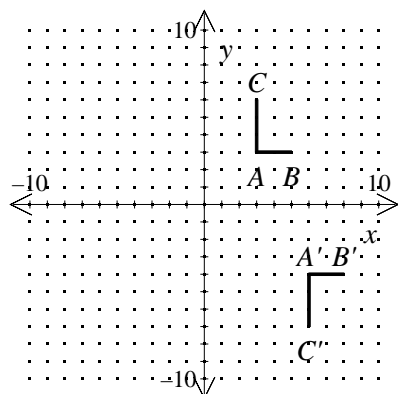
- [A]  $\langle -1, 2 \rangle$  and  $x = -3$   
 [B]  $\langle 3, -1 \rangle$  and  $y = -3$   
 [C]  $\langle 2, -1 \rangle$  and  $y = -3$   
 [D]  $\langle -1, 3 \rangle$  and  $x = -3$

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



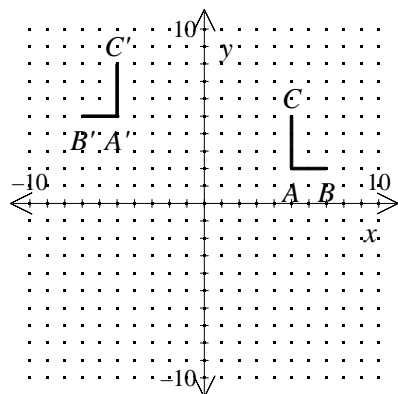
- [A]  $\langle 1, -3 \rangle$  and  $x = -1$   
 [B]  $\langle -3, 1 \rangle$  and  $y = -1$   
 [C]  $\langle -3, 2 \rangle$  and  $y = -1$   
 [D]  $\langle 2, -3 \rangle$  and  $x = -1$

4. Which glide reflection could map figure  $ABC$  to figure  $A'B'C'$ ?



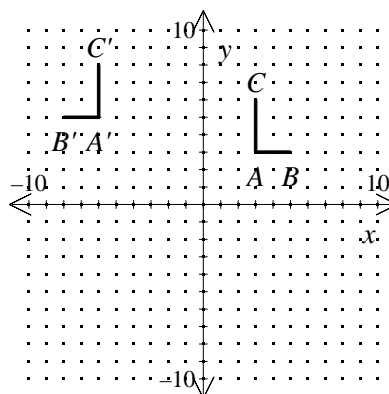
- [A]  $\langle 3, 0 \rangle$  and  $y = -1$   
 [B]  $\langle -1, 3 \rangle$  and  $x = -1$   
 [C]  $\langle 3, -1 \rangle$  and  $y = -1$   
 [D]  $\langle 0, 3 \rangle$  and  $x = -1$

5. Which glide reflection could map figure  $ABC$  to figure  $A'B'C'$ ?



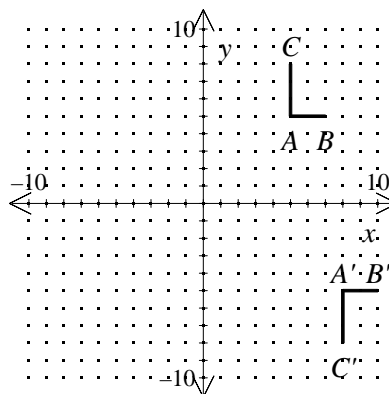
- [A]  $\langle 4, 0 \rangle$  and  $y = 0$   
 [B]  $\langle 3, 0 \rangle$  and  $y = 0$   
 [C]  $\langle 0, 4 \rangle$  and  $x = 0$   
 [D]  $\langle 0, 3 \rangle$  and  $x = 0$

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  $y = 0$

Geometry Practice: G.G.58 #10

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[1] B

[2] A

[3] B

[4] C

[5] D

[6] A

[7] B