

Translations and Glide Reflections 8.3



Overview of Problems

Example Set: A

Translate the following points as described by translation T:

$$T: (x, y) \longrightarrow (x - 4, y + 1)$$

1. $(3, 9)$
2. $(-1, 0)$
3. $(-4, 6)$

Write a translation that describes the image and preimage

1.

• A $(3, 10)$

• A' $(9, 2)$

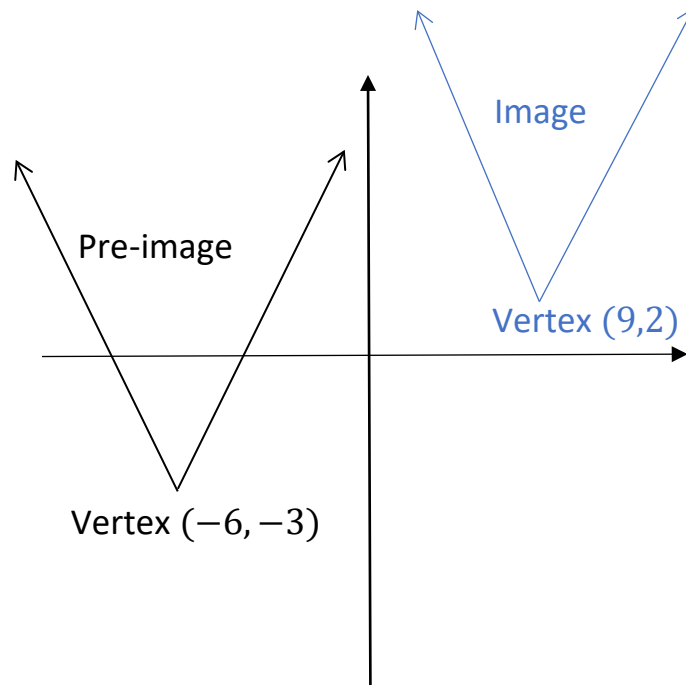
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Overview of Problems

Write a translation that describes the image and preimage

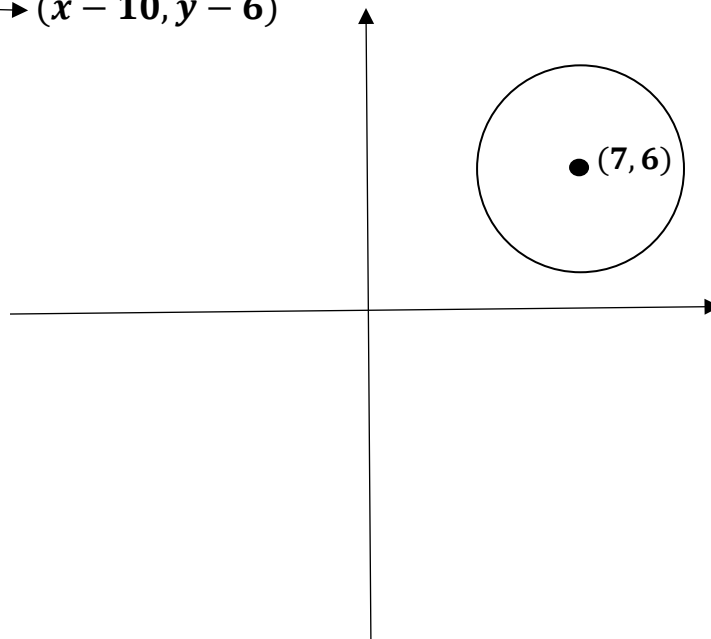
1.



Example Set: B

Construct (use graph paper and compass) the translation of the image as described by translation T:

1. $T: (x, y) \longrightarrow (x - 10, y - 6)$



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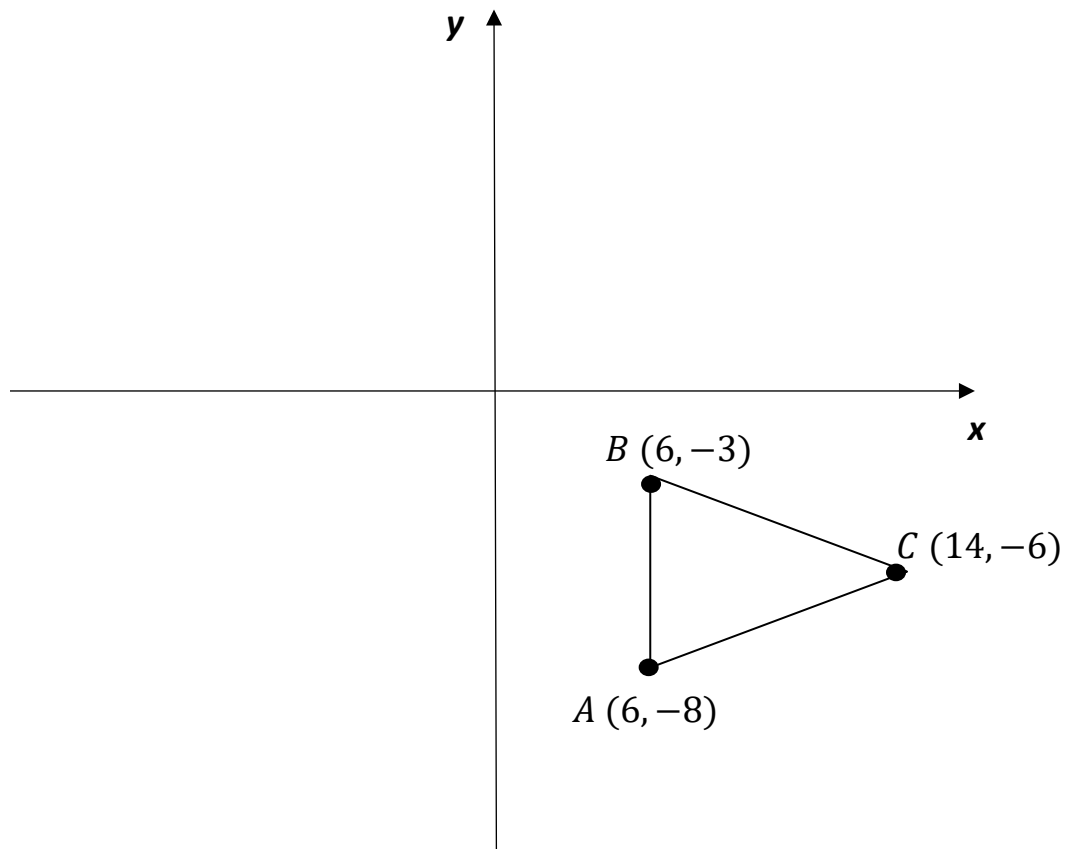


Overview of Problems

Example Set: C

Graph the image of the glide reflection described; label the vertices of your image(triangle):

1. Glide: all points up 14 and left 2 units.
Reflection: all points are reflected in the y-axis.



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Overview of Problems



Example Set: A -**ANSWER KEY**

Translate the following points as described by translation T :

$$T: (x, y) \longrightarrow (x - 4, y + 1)$$

1. $(3, 9)$ $(-1, 10)$
2. $(-1, 0)$ $(-5, 1)$
3. $(-4, 6)$ $(-8, 7)$

Write a translation that describes the image and preimage

1. $T: (x, y) \longrightarrow (x + 6, y - 8)$

• $A (3, 10)$

• $A' (9, 2)$

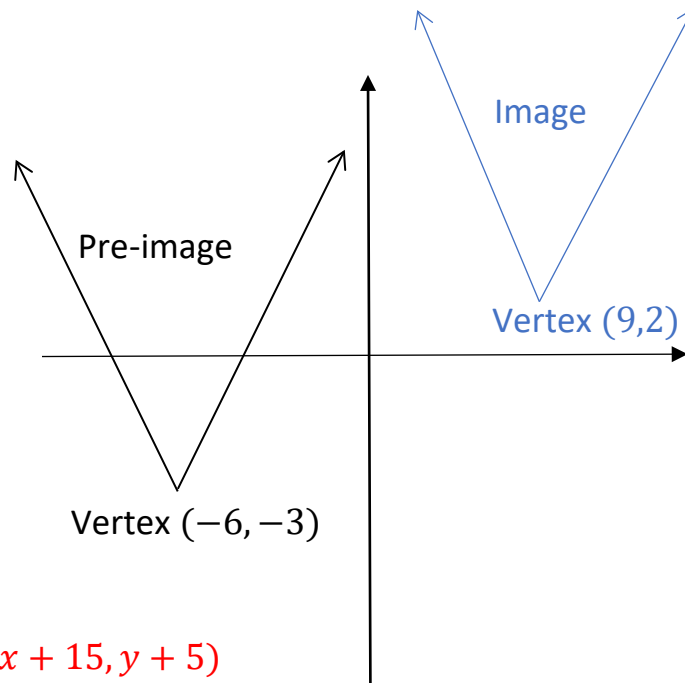
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Overview of Problems

Write a translation that describes the image and preimage

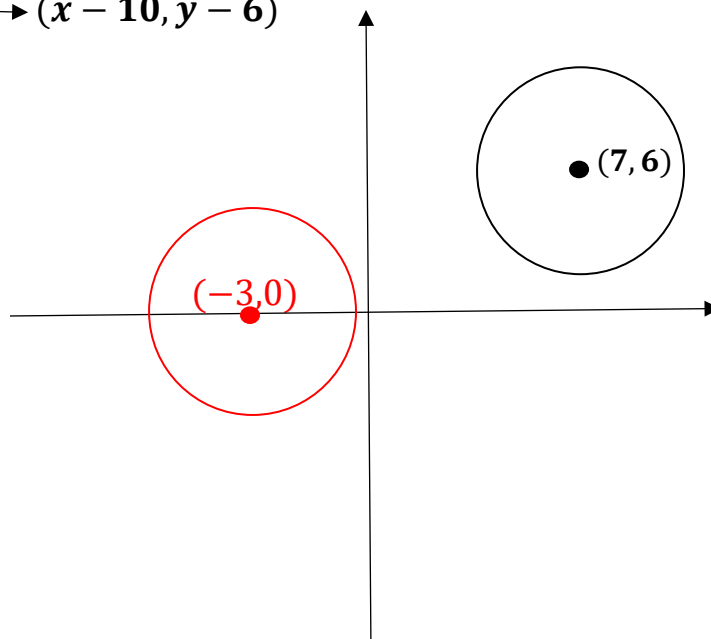
1.



Example Set: B- ANSWER KEY

Construct (use graph paper and compass) the translation of the image as described by translation T :

1. $T: (x, y) \rightarrow (x - 10, y - 6)$



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Overview of Problems



Example Set: C-ANSWER KEY

Graph the image of the glide reflection described; label the vertices of your image(triangle):

1. Glide: all points up 14 and left 2 units.
Reflection: all points are reflected in the y-axis.

