

Overview of problems



Example Set: A

Translate the following points as described by translation T

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

$(3, 9)$

$(-1, 0)$

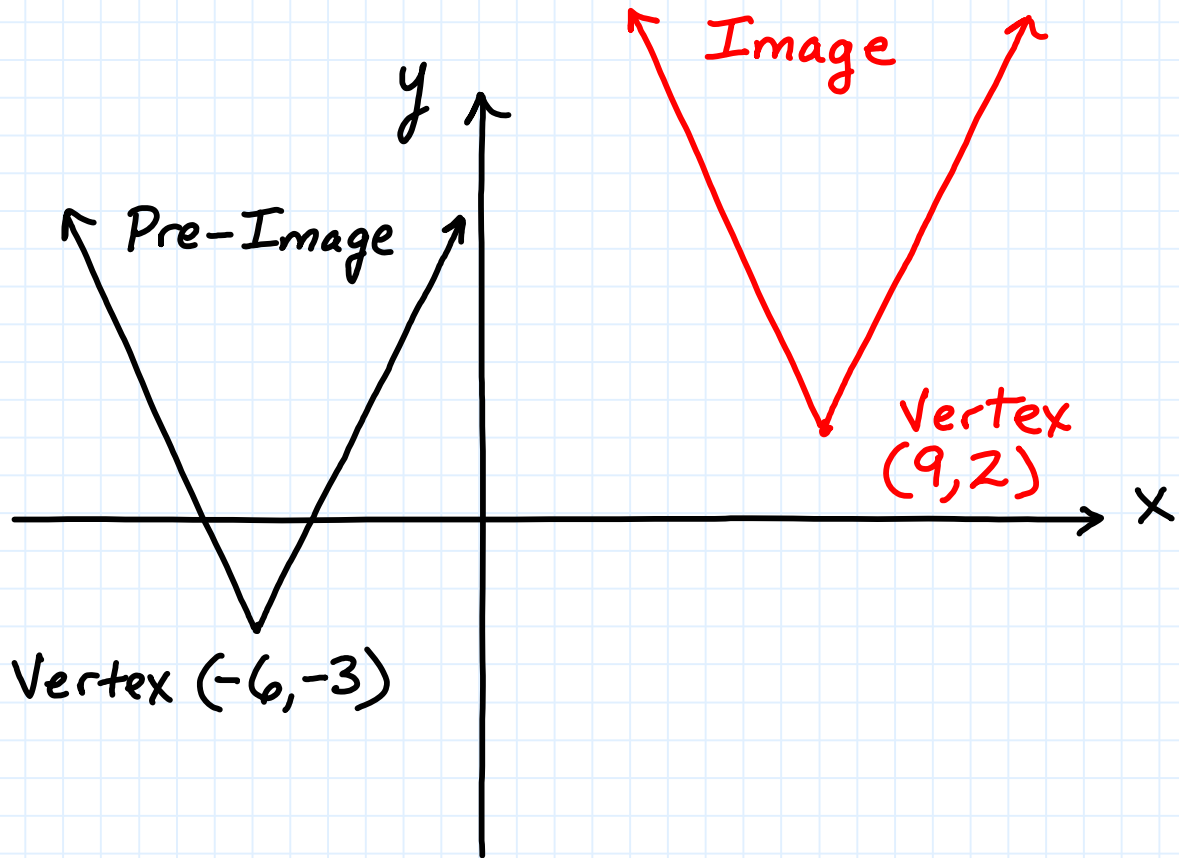
$(-4, 6)$

Write a translation that describes the image and pre-image.

$\bullet A (3, 10)$

$\bullet A' (9, 2)$

Write a translation that describes the image and pre-image.

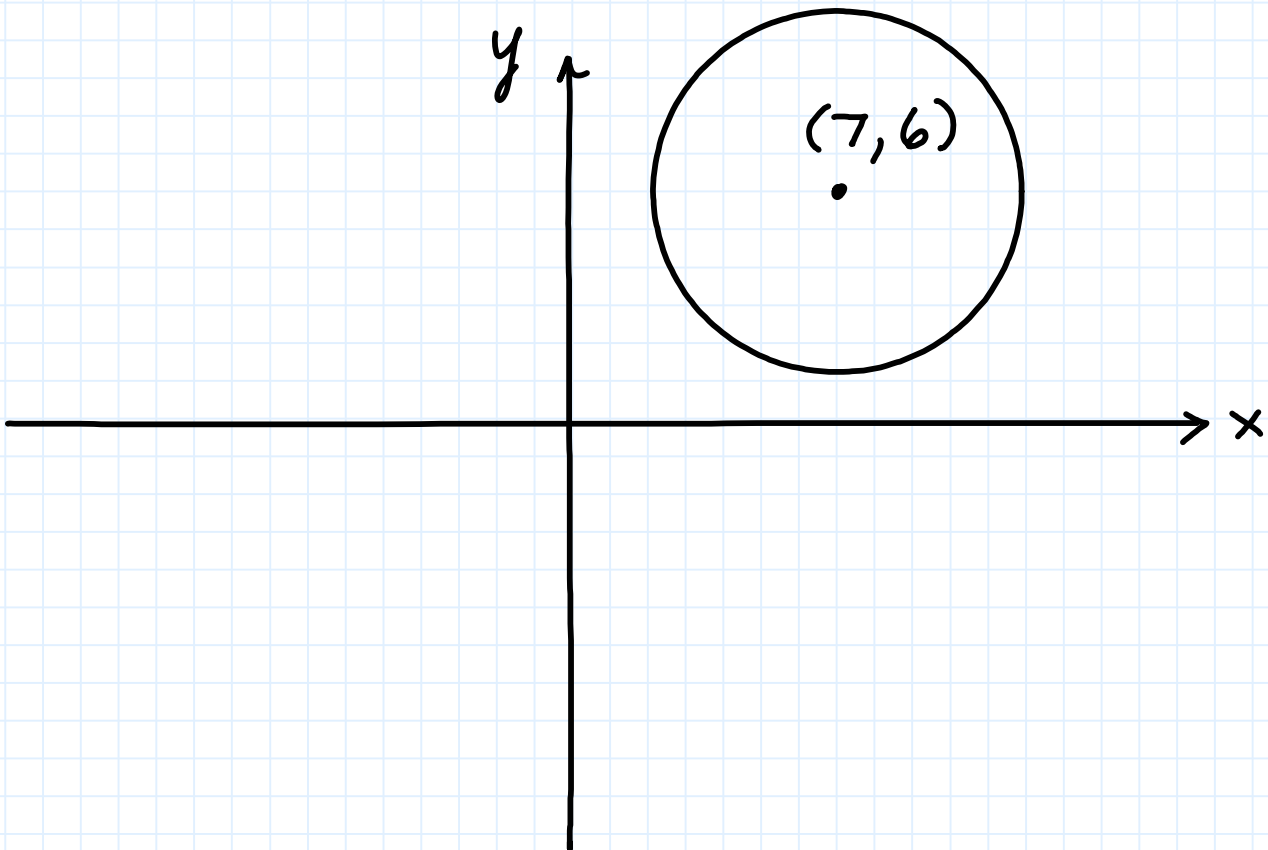




Example Set: B

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

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



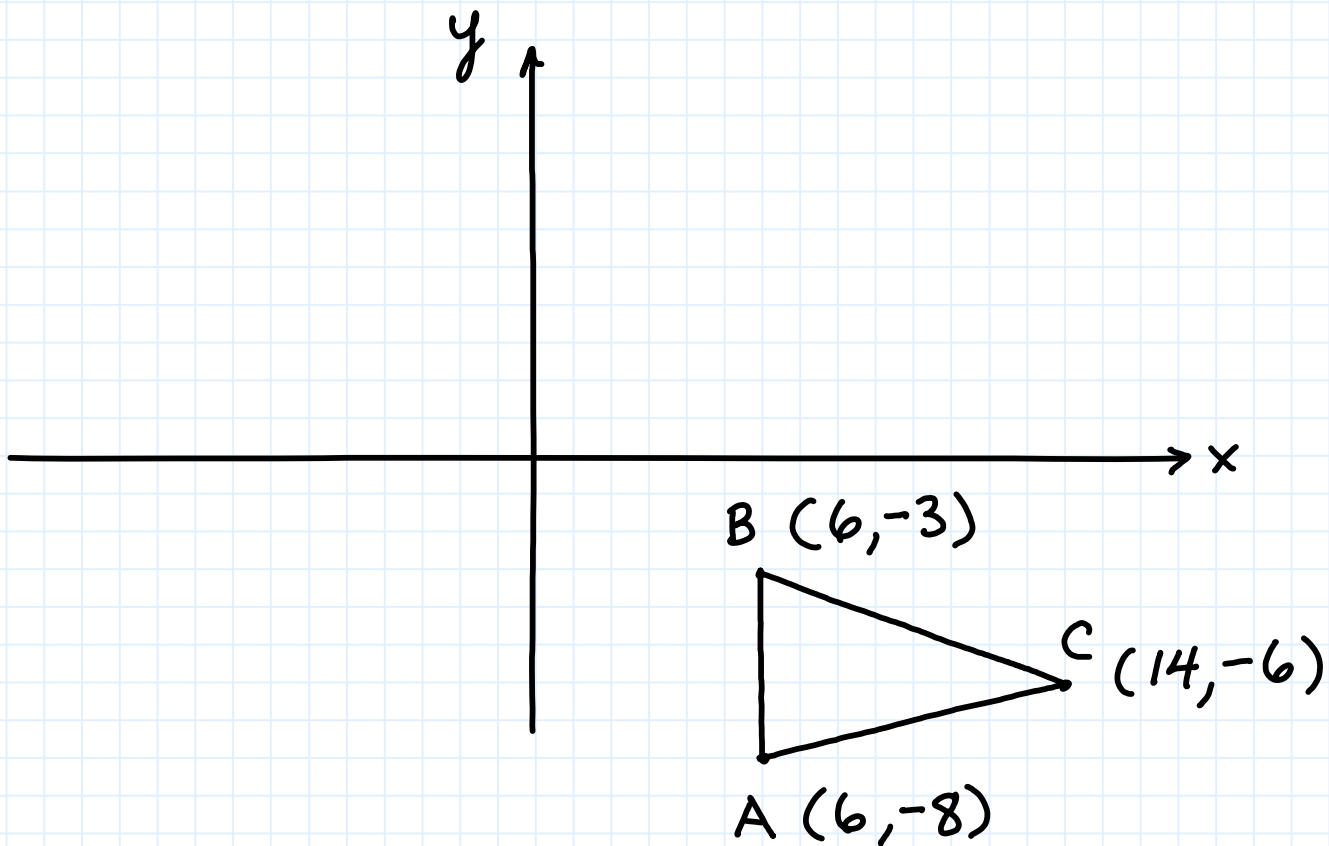


Example Set: C

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

Glide: all points up 14 and left 2 units.

Reflection: all points are reflected in the y-axis.



Overview of problems- KEY



Example Set: A

Translate the following points as described by translation T

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

$$(3, 9) \quad (-1, 10)$$

$$(-1, 0) \quad (-5, 1)$$

$$(-4, 6) \quad (-8, 7)$$

Write a translation that describes the image and pre-image.

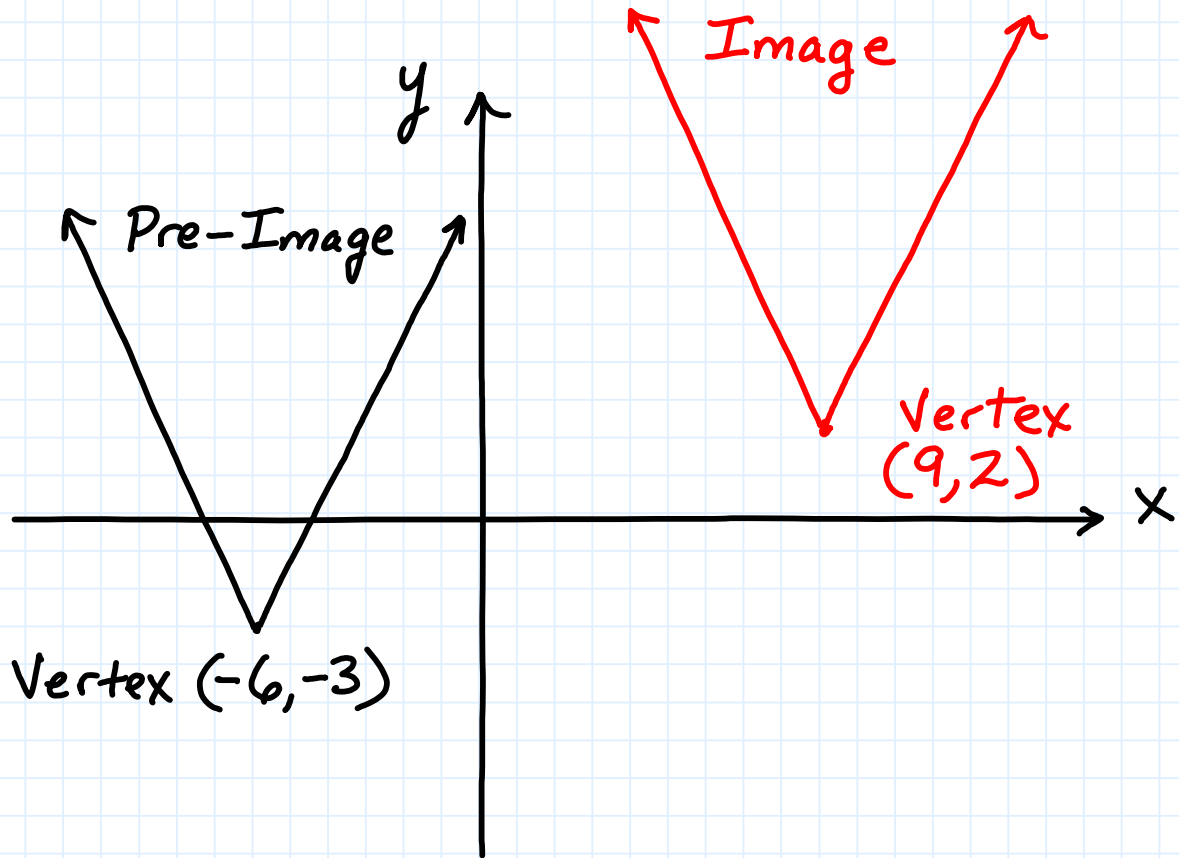
$$\bullet A (3, 10)$$

$$T: (x, y)$$

$$(x + 6, y - 8)$$

$$\bullet A' (9, 2)$$

Write a translation that describes the image and pre-image.



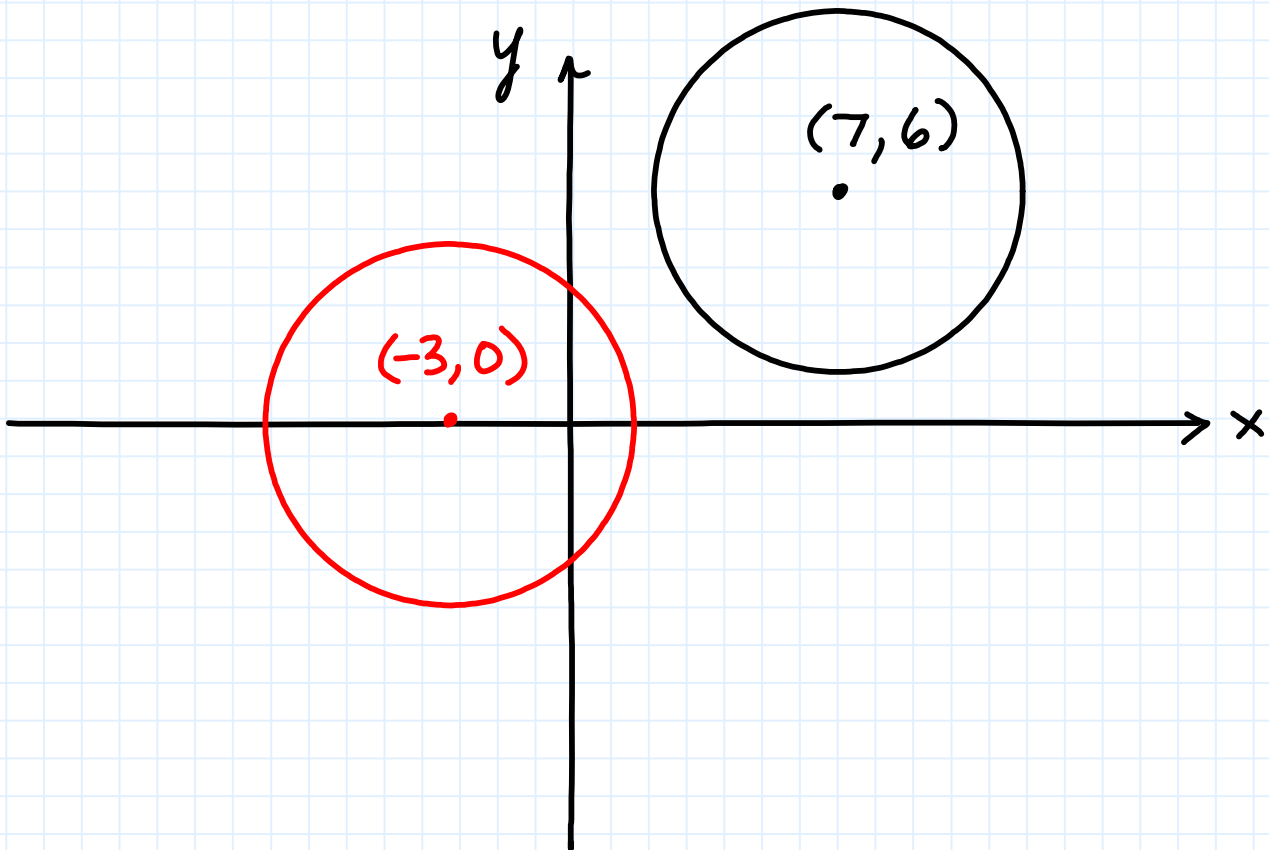
$$T:(x, y) (x + 15, y + 5)$$



Example Set: B

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

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





Example Set: C

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

Glide: all points up 14 and left 2 units.

Reflection: all points are reflected in the y-axis.

