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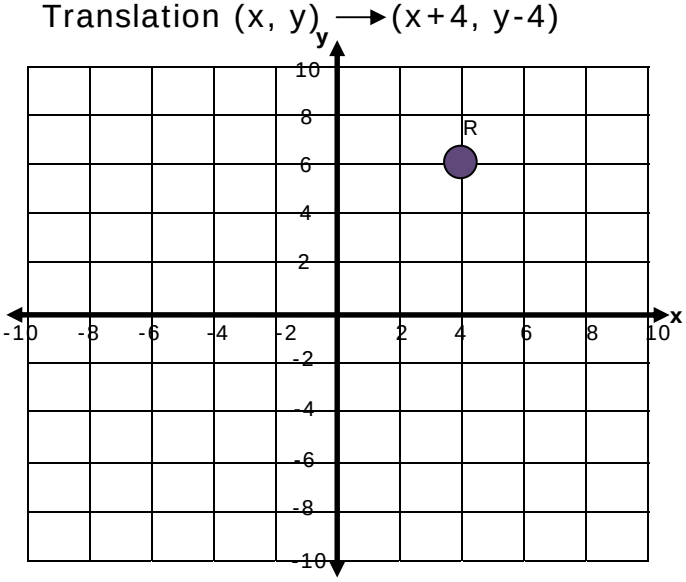
## Graphing Complex Transformations - Independent Practice Worksheet

Complete all the problems. Make sure to draw pictures to help you solve the problems.

1. Graph the image of R (4, 6) after the following transformations:

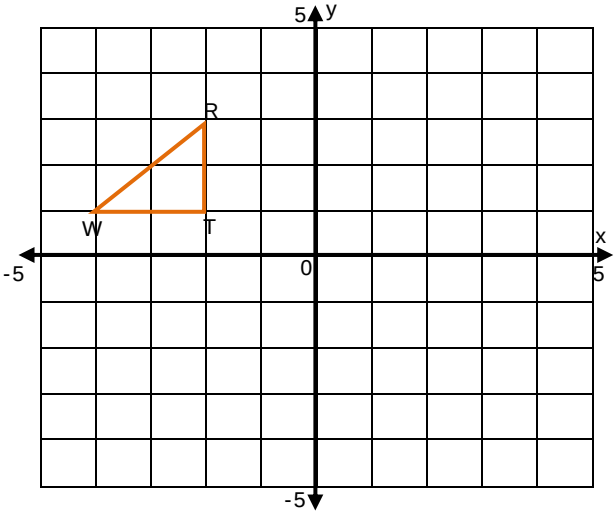
Translation (x, y) ⟶ (x+4, y-4)




2. Graph the image of RTW after the following transformations:

Translation (x, y) ⟶ (x-1, y+1)

Rotation 270° counterclockwise around the origin.



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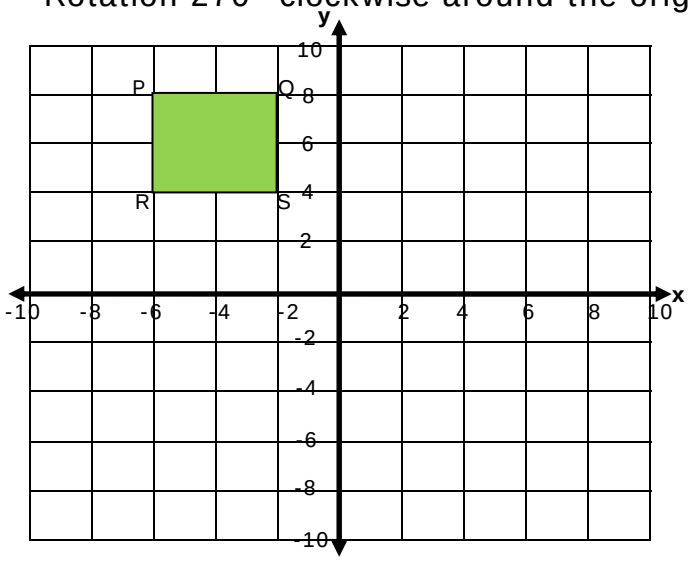
3. Graph the image of PQRS after the following transformations:

Translation (x, y) ⟶ (x–2, y-2)

Rotation 270° clockwise around the origin.



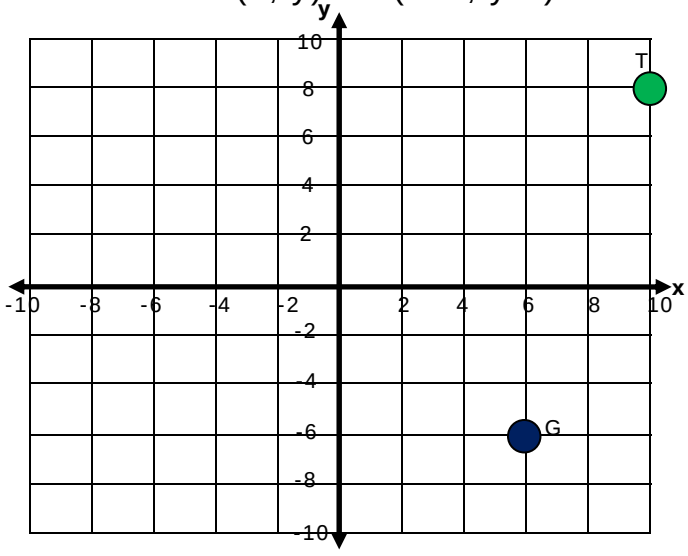

Answer two questions below from graph below

4. Graph the image of G (6, -6) after the following transformations:

Translation (x, y) ⟶ (x–2, y-2)

5. Graph the image of T(10, 8) after the following transformations:

Translation (x, y) ⟶ (x–6, y-2)



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Answer three questions below from graph below

6. Graph the image of HTV after the following transformations:

Translation (x, y) ⟶ (x+1, y-4)

Rotation 270° counterclockwise around the origin.

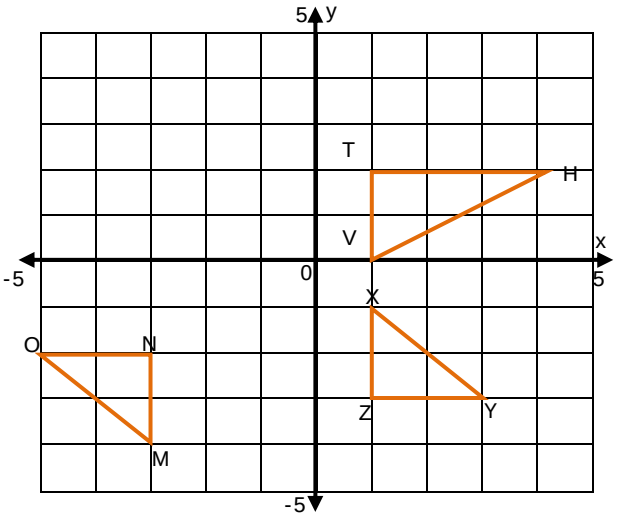
7. Graph the image of MNO after the following transformations:

Translation (x, y) ⟶ (x+7, y+7)

Rotation 270° counterclockwise around the origin.

8. Graph the image of XYZ after the following transformations:

Translation (x, y) ⟶ (x+1, y-2)



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9. Graph the image of SWV after the following transformations:

Rotation 270° counterclockwise around the origin.

10. Graph the image of KLM after the following transformations:

Translation (x, y) ⟶ (x+12, y-12)

Rotation 270° counterclockwise around the origin.