

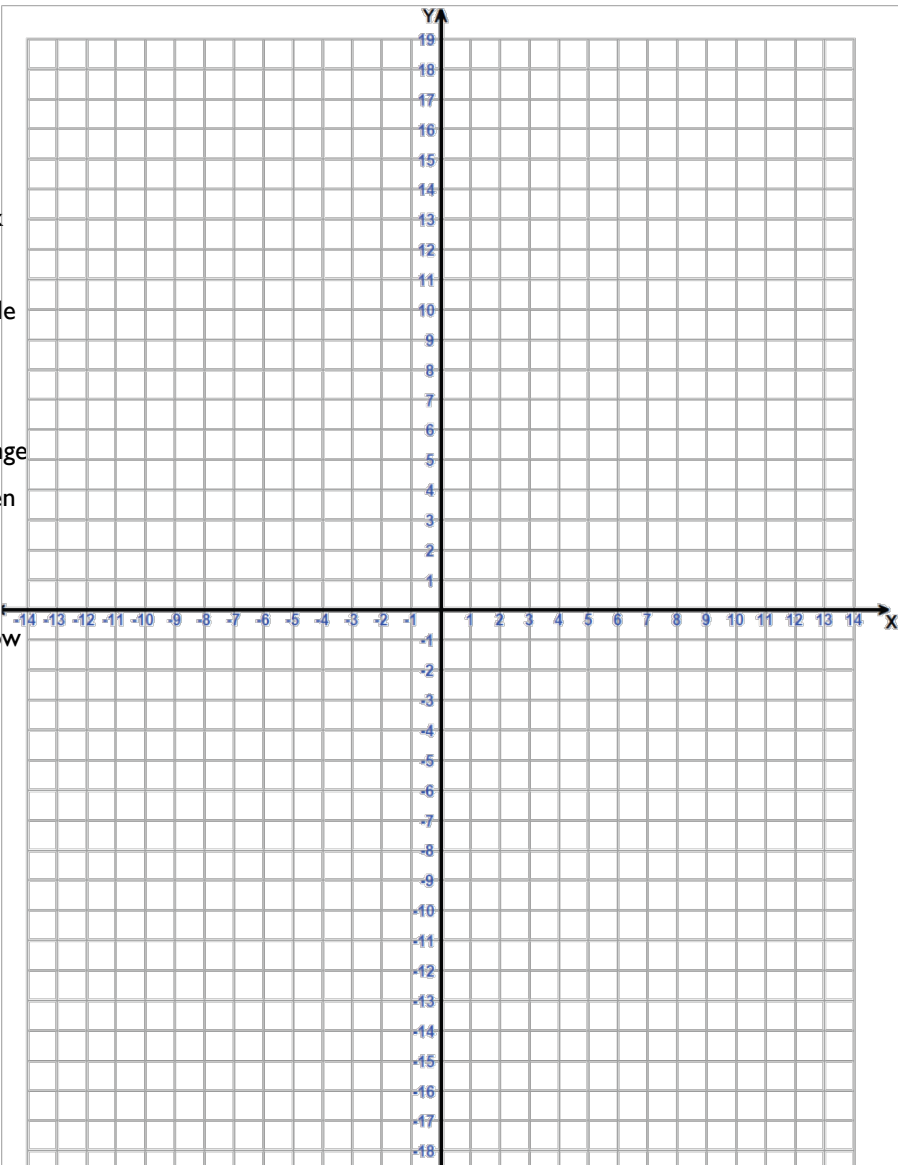
Transformations

Task

1. Draw quadrilateral
A(9, 12) B(12, 14) C(13, 9) D(11, 10)
2. Reflect #1 over the $y=7$
3. Rotate #2 90° clockwise about the origin
4. Translate #3 left 4 units and up 6 units
5. Reflect #4 over the x-axis
6. Rotate #5 90° clockwise about the origin
7. Translate #6 up 10 units and right 6 units

Color:

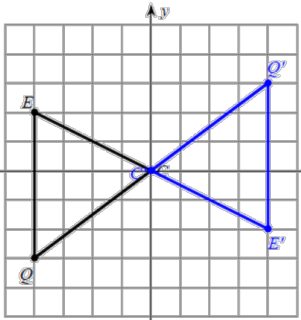
1. Black
2. Purple
3. Blue
4. Orange
5. Green
6. Red
7. Yellow



What are your newly transformed coordinates?

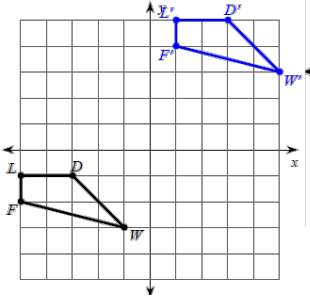
1. A(9, 12) B(12, 14) C(13, 9) D(11, 10)
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.

Match each graph containing the image and pre-image with its corresponding transformation.

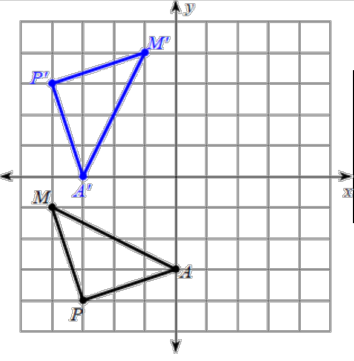


Reflection across x-axis
Red

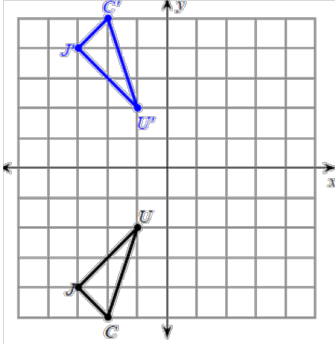
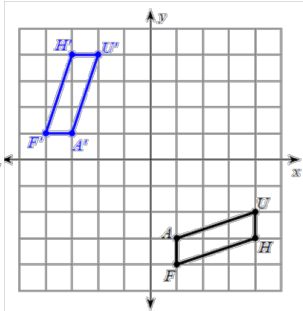
Reflection over $y = x$
Black



Translation up 2 units and right 1 unit
Orange

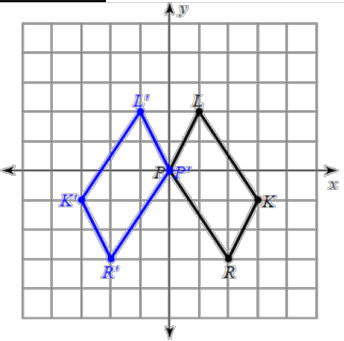


Translation 6 units up and 6 units right
Yellow

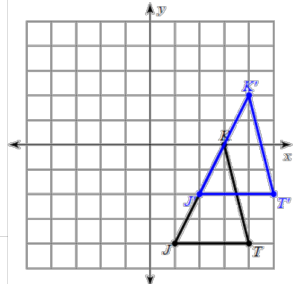


Reflection about the origin
Rotation 180° about the origin
Brown

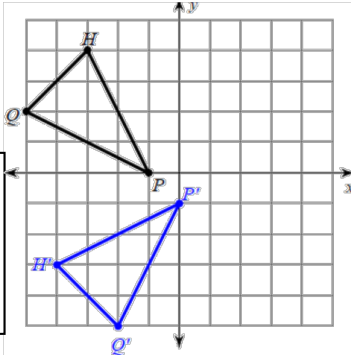
Rotation 90° counterclockwise about the origin
Purple



Reflection across y-axis
Green



Reflection across y-axis
Green



Rotation 90° clockwise about the origin
Blue