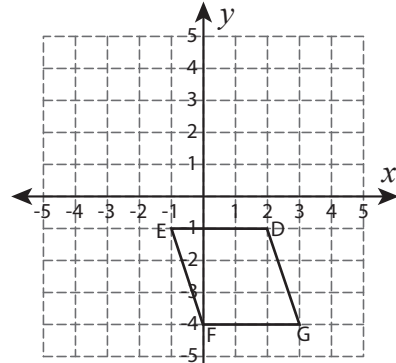
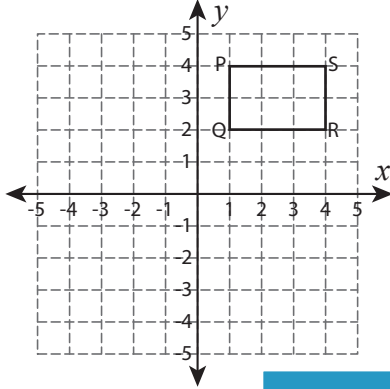


**Write the New Coordinates**

Graph the image of each figure after the given transformation. Also write the coordinates of the image.

1) Translate 5 units left and 4 units down

2)  $180^\circ$  rotation about the origin



P' : \_\_\_\_\_, Q' : \_\_\_\_\_

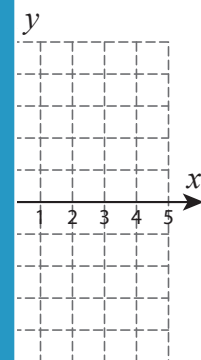
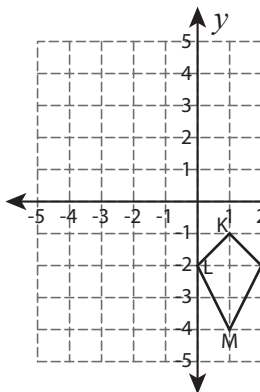
E' : \_\_\_\_\_

R' : \_\_\_\_\_, S' : \_\_\_\_\_

G' : \_\_\_\_\_

3) Reflection across the line  $y = 2$

4) Translate 2 units down and 3 units right



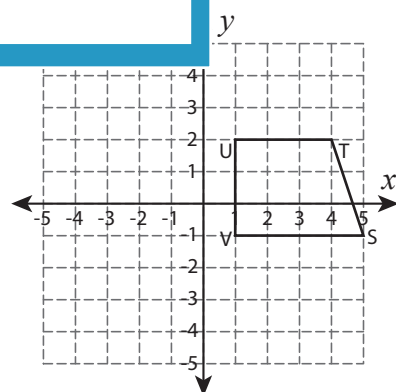
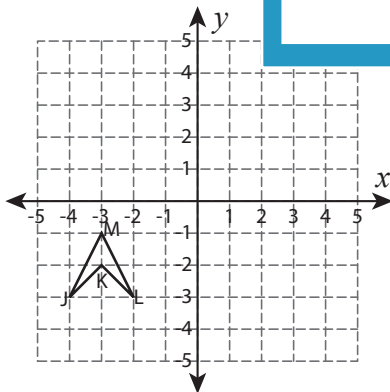
K' : \_\_\_\_\_, L' : \_\_\_\_\_

B' : \_\_\_\_\_

M' : \_\_\_\_\_, N' : \_\_\_\_\_

5)  $90^\circ$  counterclockwise rotation about the origin

6) Reflection across the line  $y = 2$



J' : \_\_\_\_\_, K' : \_\_\_\_\_

S' : \_\_\_\_\_, T' : \_\_\_\_\_

L' : \_\_\_\_\_, M' : \_\_\_\_\_

U' : \_\_\_\_\_, V' : \_\_\_\_\_

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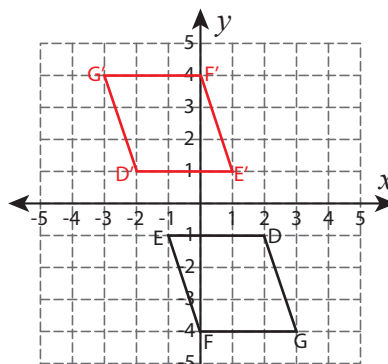
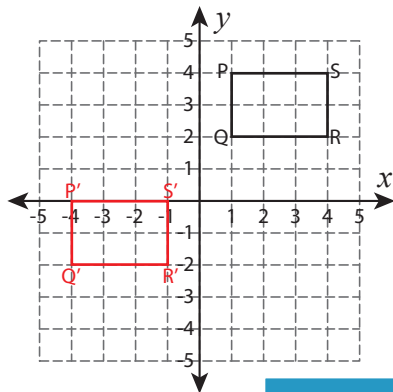
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**Write the New Coordinates**

Graph the image of each figure after the given transformation. Also write the coordinates of the image.

1) Translate 5 units left and 4 units down

2) 180° rotation about the origin



P' : (-4, 0) , Q' : \_\_\_\_\_

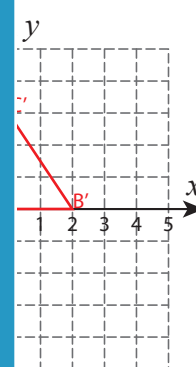
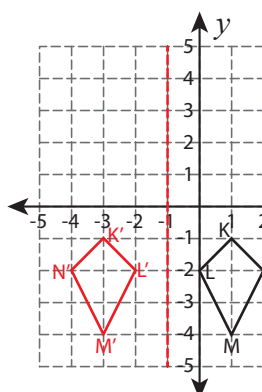
R' : (-1, -2) , S' : \_\_\_\_\_

E' : (1, 1)

G' : (-3, 4)

3) Reflection across the line x = -2

4) Translate 2 units down and 3 units right



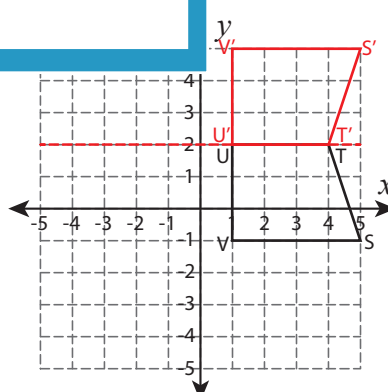
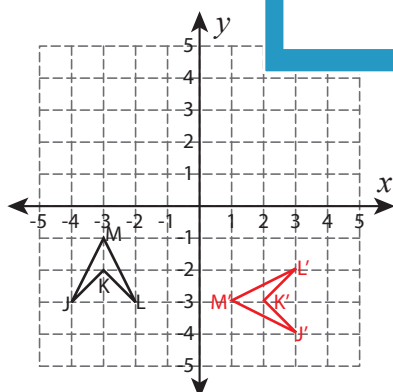
K' : (-3, -1) , L' : \_\_\_\_\_

M' : (-3, -4) , N' : \_\_\_\_\_

B' : (2, 0)

5) 90° counterclockwise rotation about the origin

6) Reflection across the line y = 2



J' : (3, -4) , K' : (2, -3)

S' : (5, 5) , T' : (4, 2)

L' : (3, -2) , M' : (1, -3)

U' : (1, 2) , V' : (1, 5)

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