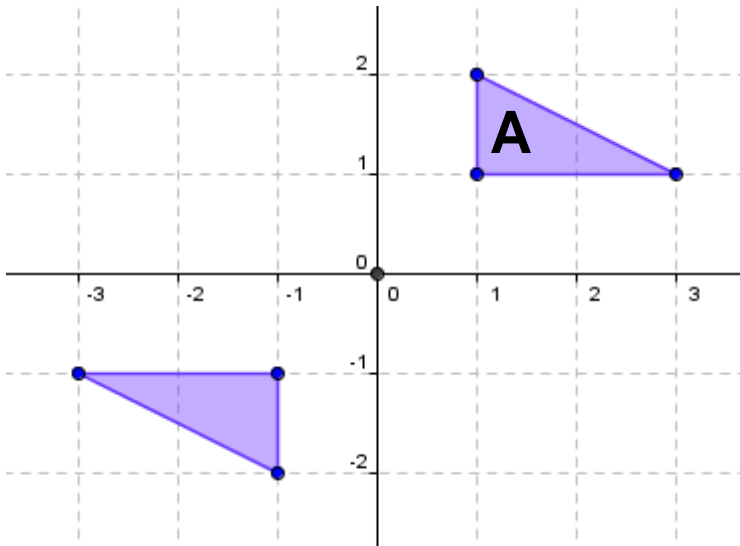
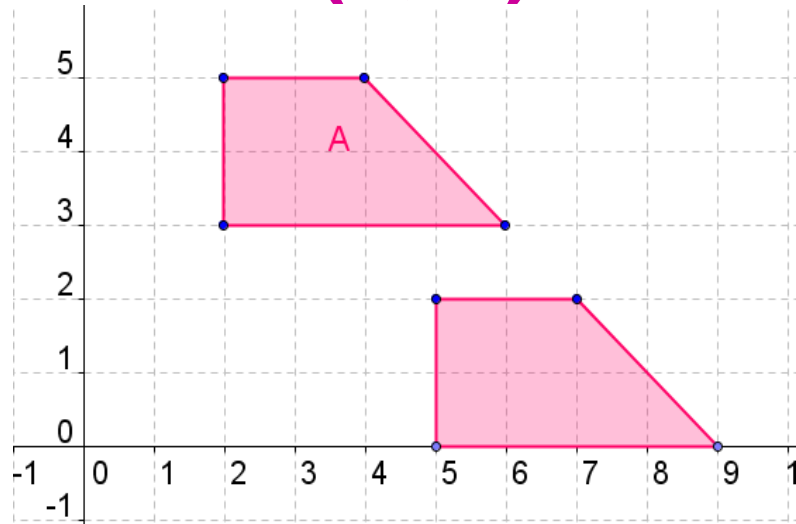


# Translation

$$\begin{pmatrix} -3 \\ 4 \end{pmatrix}$$

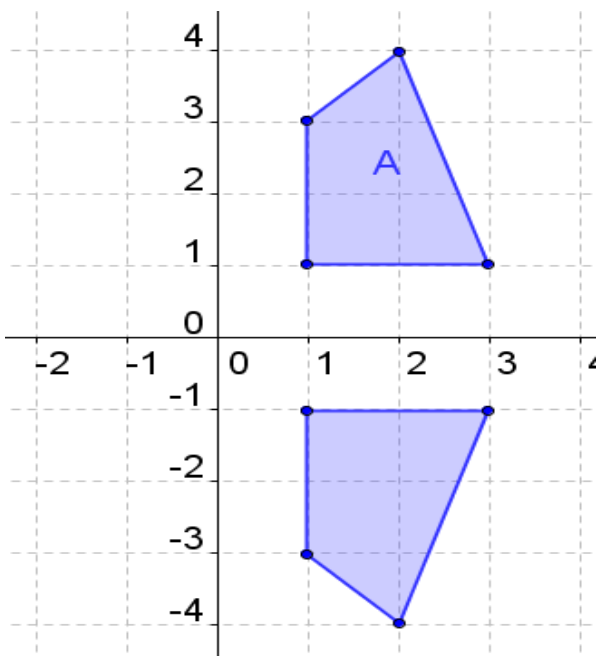


# Rotation 180 degrees around (0, 0)

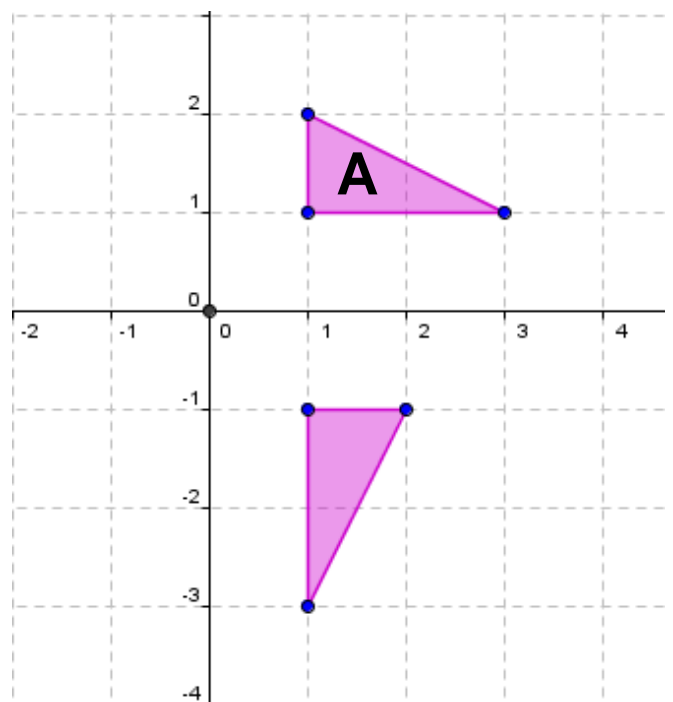


# Translation

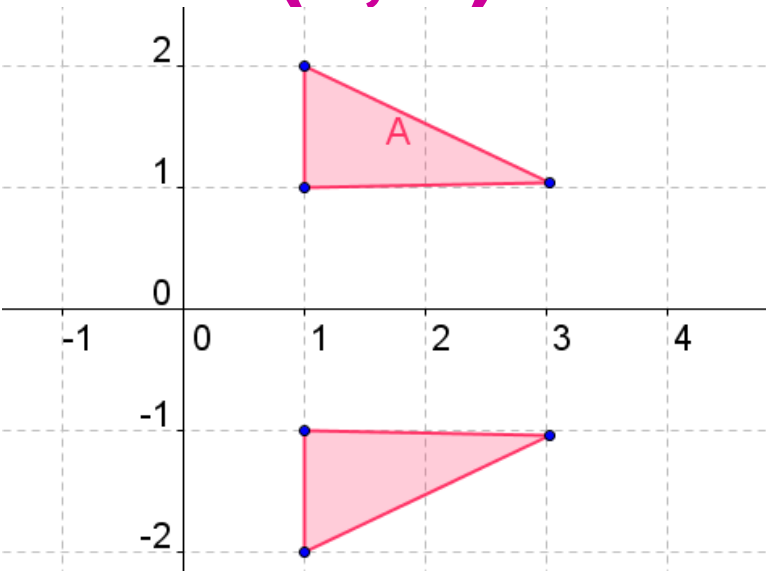
$$\begin{pmatrix} 3 \\ -3 \end{pmatrix}$$



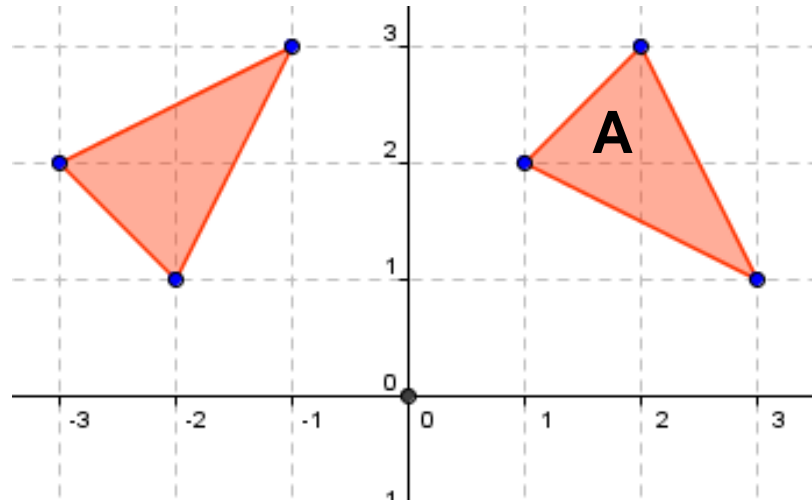
# Quadrilateral reflected in the x axis



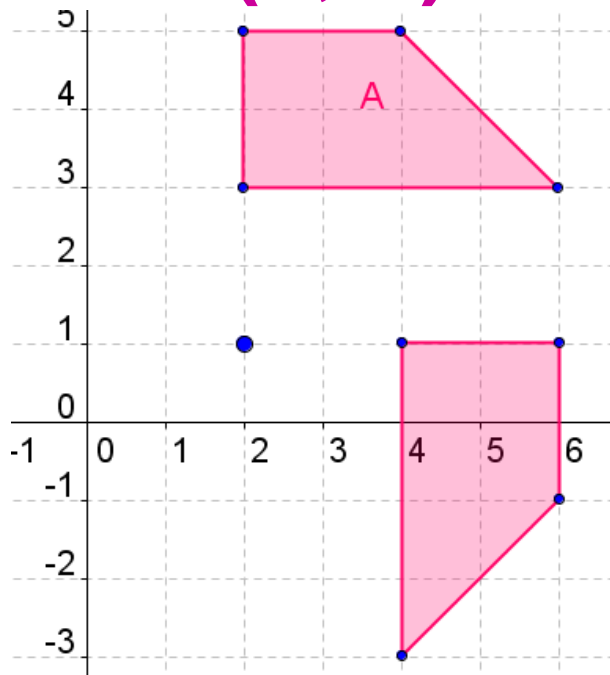
## Rotation 90 degrees around (0, 0)



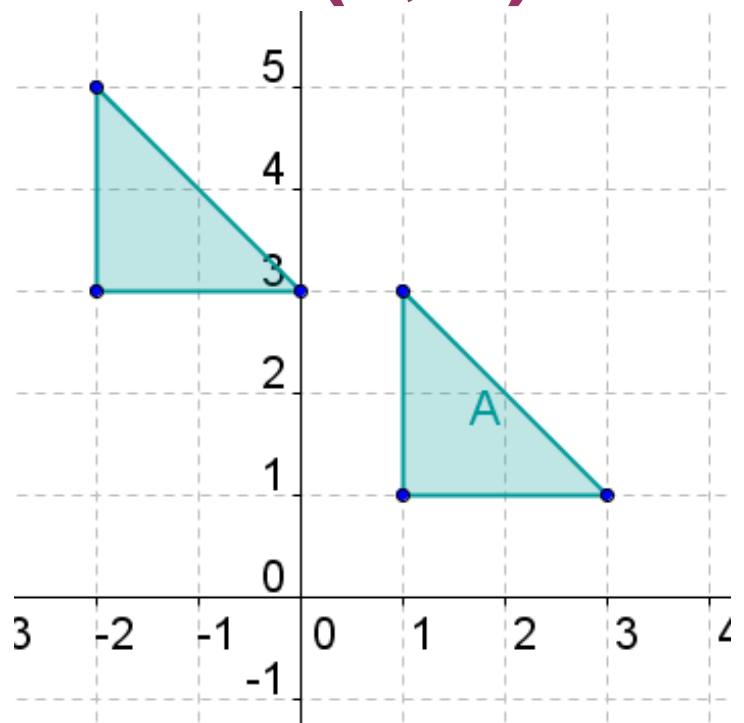
## Right angled triangle reflected in the x axis



## Rotation 270 degrees around (0, 0)

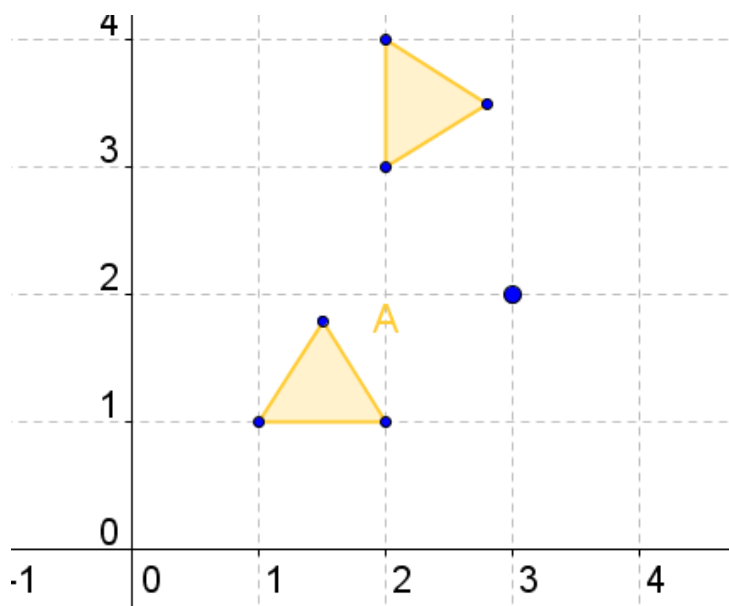


## Rotation 90 degrees around (2, 1)

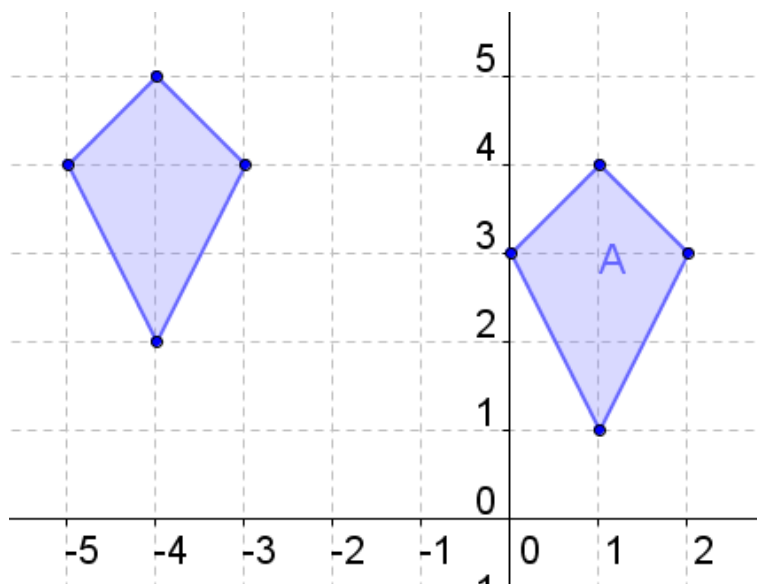


# Translation

$$\begin{pmatrix} -3 \\ 2 \end{pmatrix}$$

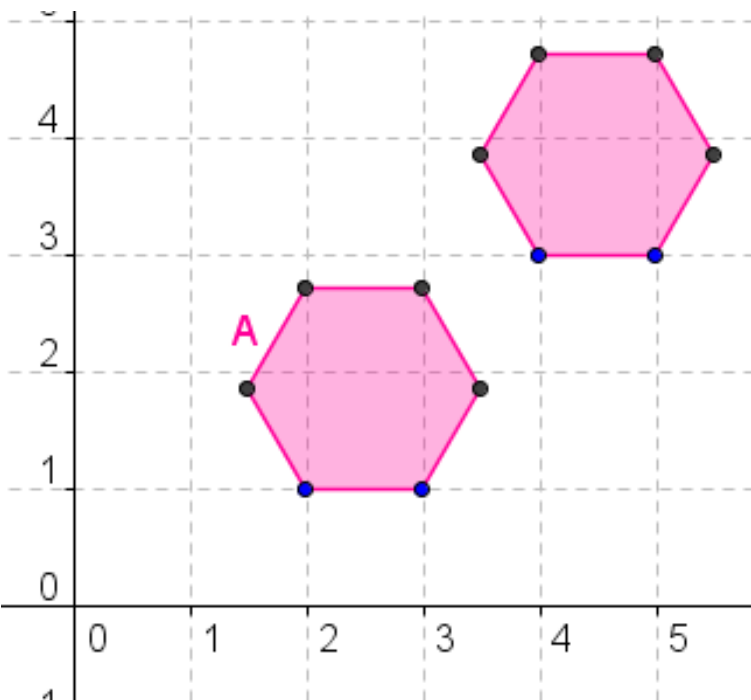


# Rotation 90 degrees around (3, 2)



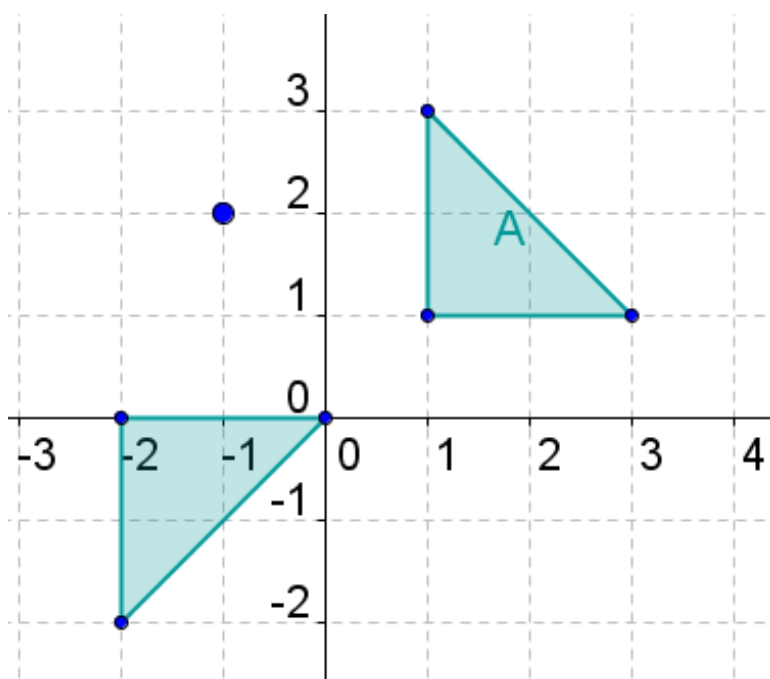
# Translation

$$\begin{pmatrix} -5 \\ 1 \end{pmatrix}$$

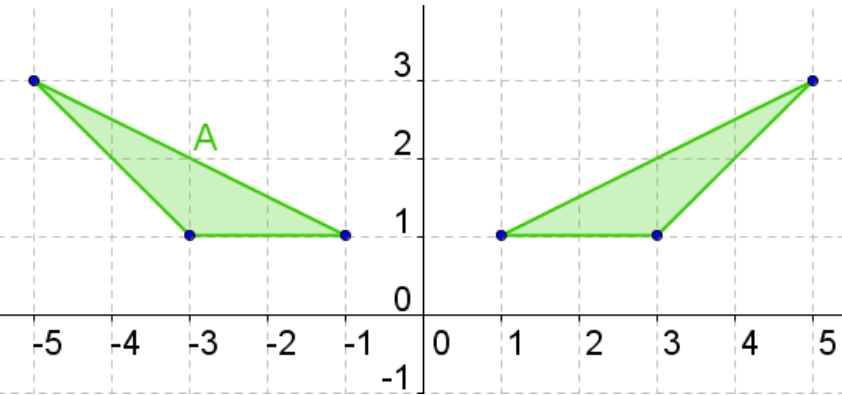


# Translation

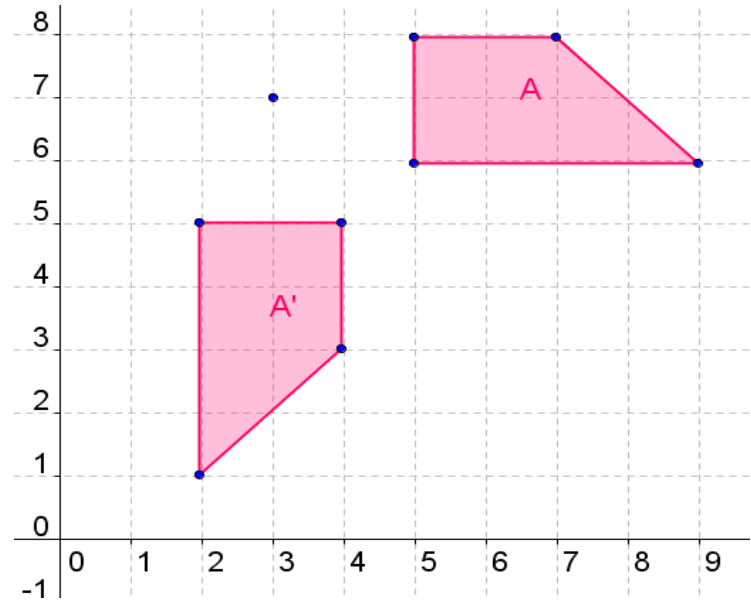
$$\begin{pmatrix} 2 \\ 2 \end{pmatrix}$$



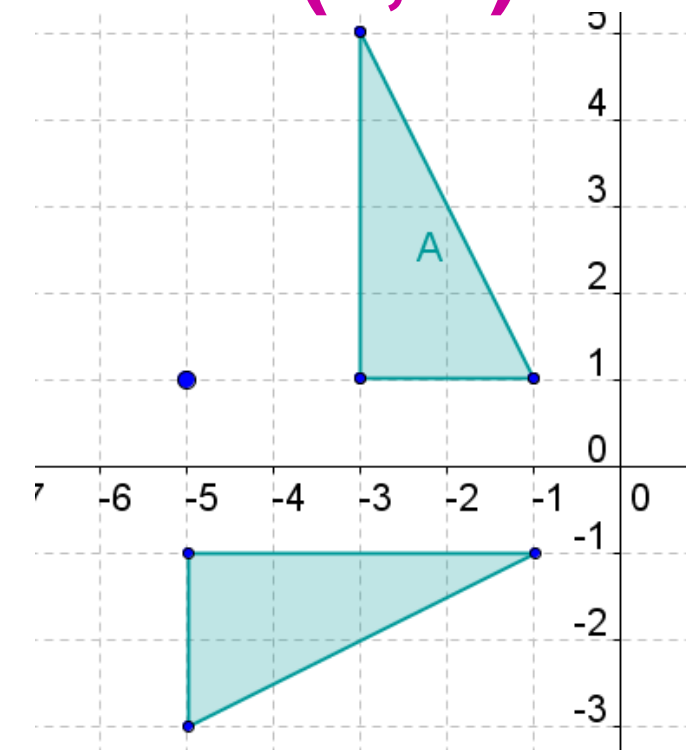
## Rotation 90 degrees around $(-1, 2)$



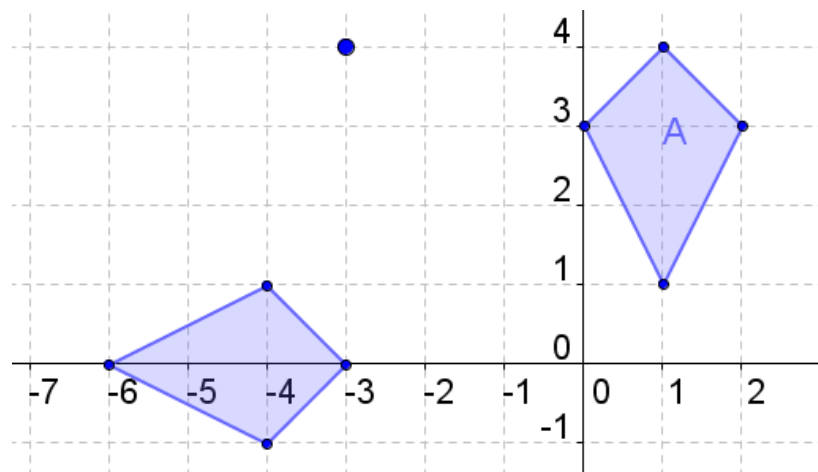
## Scalene triangle reflected in the $y$ axis



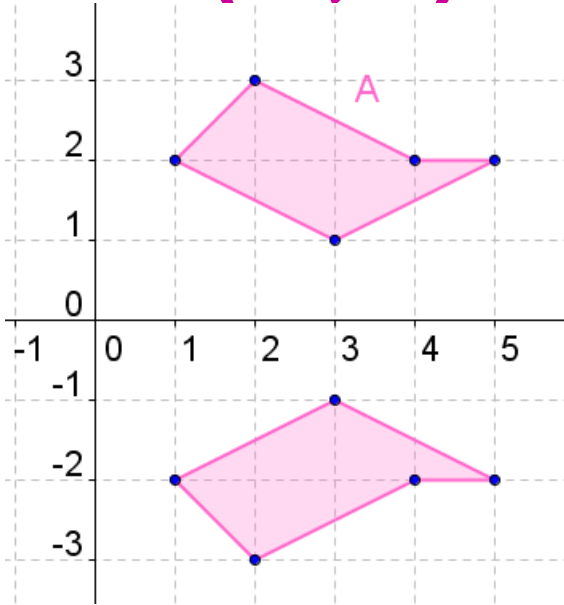
## Rotation 90 degrees around $(3, 7)$



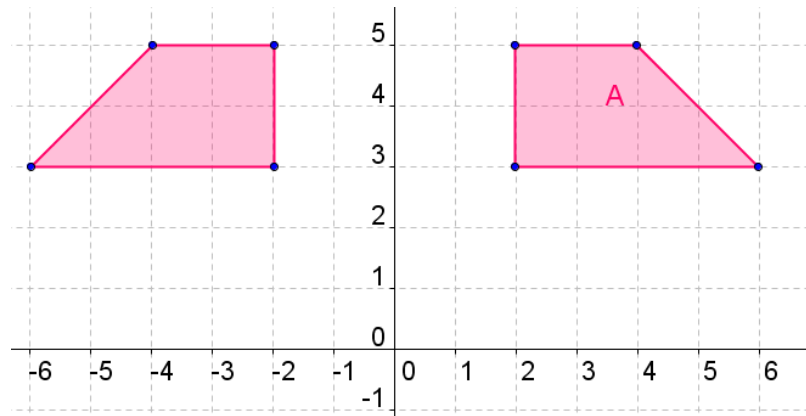
## Rotation 90 degrees around $(-5, 1)$



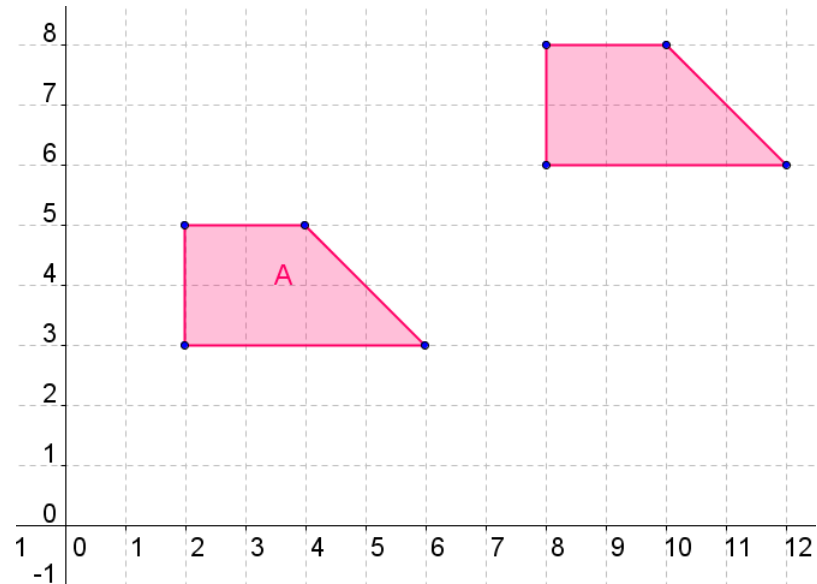
# Rotation 90 degrees around (-3, 4)



# Pentagon reflected in the x axis



# Quadrilateral reflected in the y axis



# Translation ( 6 3 )

