1. On the "Transformation Matrix" Wikipedia page linked below, there are listed six different types of linear trans

Transformations on Wikipedia

 \Rightarrow Rotation, \Rightarrow rotation with an angle Θ clockwise in matrix becomes :

$$\Rightarrow egin{pmatrix} x_1^{'} \ x_2^{'} \end{pmatrix} = egin{pmatrix} cos\Theta & sin\Theta \ -sin\Theta & cos\Theta \end{pmatrix} egin{pmatrix} x_1 \ x_2 \end{pmatrix}$$

 \Rightarrow and for a rotation counterclockwise we have:

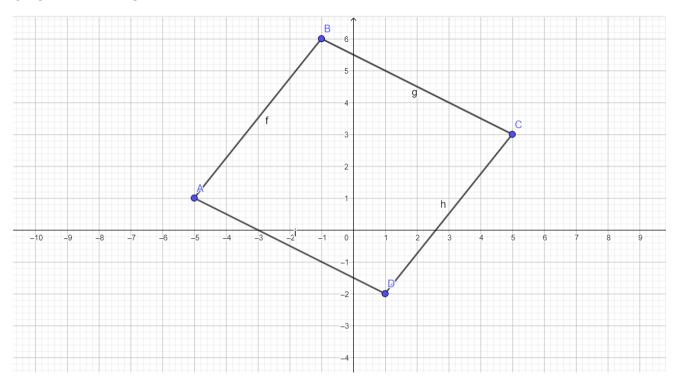
$$\Rightarrow egin{pmatrix} x_1^{'} \ x_2^{'} \end{pmatrix} = egin{pmatrix} cos\Theta & -sin\Theta \ sin\Theta & cos\Theta \end{pmatrix} egin{pmatrix} x_1 \ x_2 \end{pmatrix}$$

2. Using the GeoGebra graphs tool linked below to create a simple quadrilateral (a shape defined by four points). Usir the four points, and draw this new shape.

GeoGebra Graphs Tool.

3. Share a screenshot of the original and transformed shape in the forum below, giving details of the linear transform

ORIGINAL DRAWING



WE TRANSFORM THE ABOVE DRAW VIA A 45 DEGREE ROTATION IN CLOCKWISE DIRECTION WITH A',B',C'AND D'

