Problems for Lab 10

Objective:

Geometric transformations in computer graphics do not reduce the visual quality of images[transformations are done in object space], whereas they reduce visual quality in image processing as interpolation is involved[transformations are done in image space]

1. Using built-in functions in OpenGL , draw polygon with 5 vertices of your choice and then do the following and display the results
   a. Translate the polygon with vector (a,b)
   b. Rotate the polygon with given theta
   c. Scale the polygon with the given scaling factor
2. Repeat the problem 1 , but use MATLAB or PYTHON with OpenCV for a), b) and c)