Assignment No. 3_ Linear Transformation

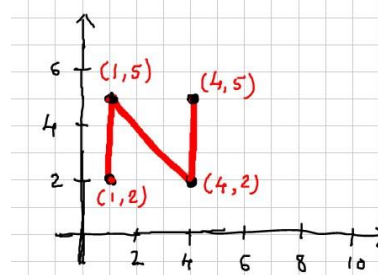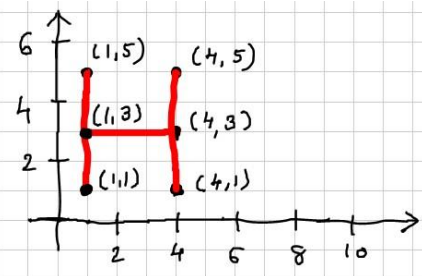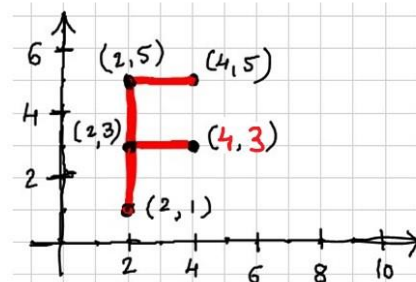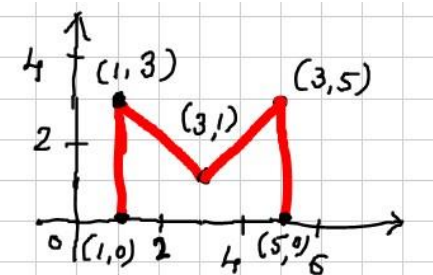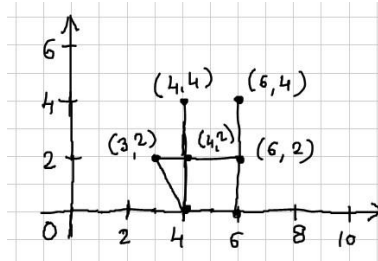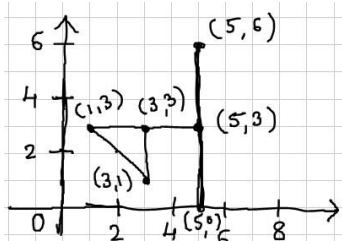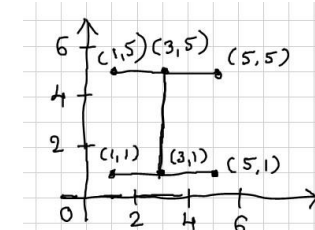|	
NOTE :: ODD Roll Nos attempt Q.1 and EVEN Roll Nos attempt Q.2	
Q.1	Sketch the following image with the given vertices under each of the following transformation T. (Show all necessary justification/calculation steps) i) T is a shear transformation of factor 1 along positive X- direction. ii) T is represented by $\begin{bmatrix} 2 & 0 \\ 0 & 1/2 \end{bmatrix}$.　　　　　iii) T is reflection about Y-axis
Q.2	Sketch the following image with the given vertices under each of the following transformation T. (Show all necessary justification/calculation steps) i) T is a shear transformation of factor 1 along positive Y- direction. ii) T is represented by $\begin{bmatrix} 1/2 & 0 \\ 0 & 2 \end{bmatrix}$.　　　　　iii) T is reflection about X-axis

1)		2)	
3)		4)	
5)		6)	
7)		8)	

9)