



University of Central Punjab

Assignment # 4 Linear Algebra

1. Sketch the image of given parallelogram with vertices A (0,1), B (3,0), C (5, -2), D (2, -1) under the rotation of 90^0 (anticlockwise).
2. Sketch the image of given triangle with vertices A (2,4), B (2,2), C (4,2) under the rotation of 90^0 (clockwise).
3. Find the image of an ellipse under the transformation of scaling by factor 2.

$$\frac{(x-2)^2}{4} + \frac{(y-3)^2}{9} = 1$$