**7B Reflections & Rotations**

**(0,1)**

**(1,0)**

1. Describe fully the geometrical transformation represented by the matrix:
2. Find a matrix to represent the transformation:
3. ‘Reflection in the y-axis’
4. ‘Enlargement, centre (0,0), scale factor 2’
5. ‘Rotation of 45° anticlockwise about (0,0)’

As a general rule, the matrix representing a rotation of angle anticlockwise about the origin is:

Final notes:

Invariant point

Invariant Lines