

Linear transformations with Matrices lesson 7 - Image of a line  
rotated  $N$  degrees about the origin

Magic Monk Tutorials

**1 Find the inverse of the Rotation matrix  $R_\theta$**

**2 Rotate the line  $y = -x$  by  $45^\circ$  anticlockwise.**

**3 Rotate the line  $y = mx + c$  by  $\theta^\circ$ .**