

Linear transformations with Matrices lesson 10 - Reflection in
the line $y=x$

Magic Monk Tutorials

- 1 Reflect the point $P = \begin{pmatrix} 5 \\ 3 \end{pmatrix}$ about the line $y = x$.
- 2 Find the transformation matrix corresponding with reflection in the line $y = -x$
- 3 Reflect the line $y = x^3 + 1$ in the line $y = x$. Plot this resulting line below in the $x - y$ plane.

