30th November

Corbettmaths

Expand and simplify fully

$(3-x)(x+4)^2$

$y = \frac{4}{x^2}$

Find $\frac{dy}{dx}$

Show that

$(sin\theta + cos\theta)^2 + (sin\theta - cos\theta)^2 \equiv 2$

The unit square is transformed by matrix **Q** followed by matrix **R** followed by the matrix **S**

This is equivalent to transforming the unit square by the identity matrix.

Matrix **R** represents a rotation.
Matrices **Q** and **S** represent reflections.

Write down three possible matrices for **Q**, **R** and **S**