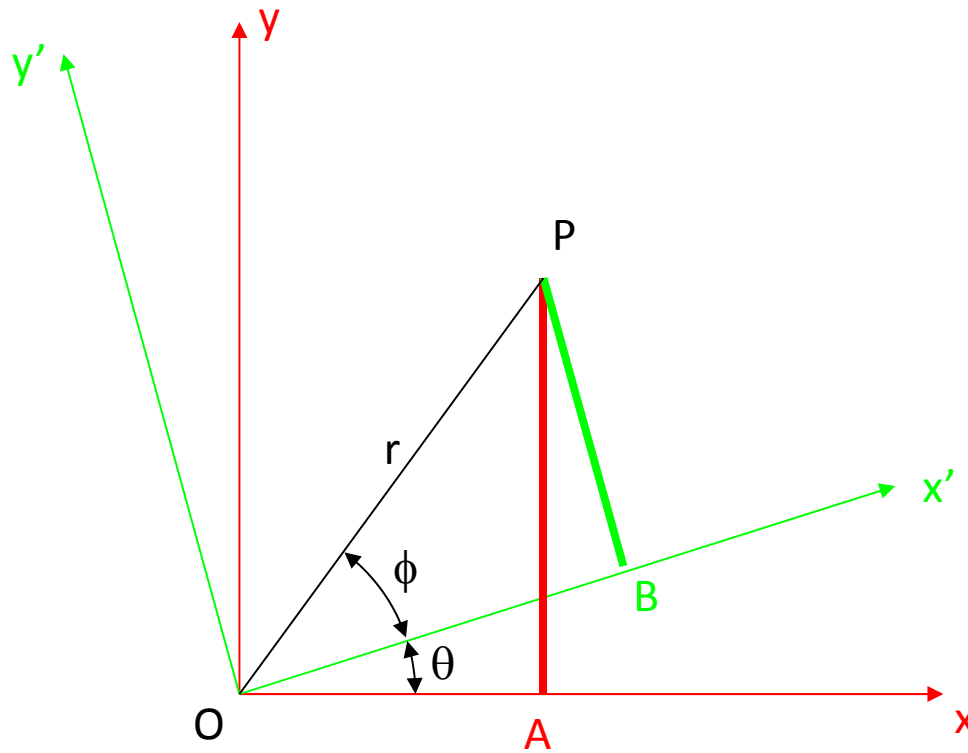# Rotations in 2D

Find the relationship between (x',y') and (x,y)

Example

- Image "A" is modified by the affine transform below. Sketch image "B"

$$\begin{pmatrix} x_B \\ y_B \\ 1 \end{pmatrix} = \begin{pmatrix} 1 & 0 & 0 \\ 0.25 & 1.5 & 0 \\ 0 & 0 & 1 \end{pmatrix} \begin{pmatrix} x_A \\ y_A \\ 1 \end{pmatrix}$$

0,0   50,0

0,50
      50,50

A