

10th November

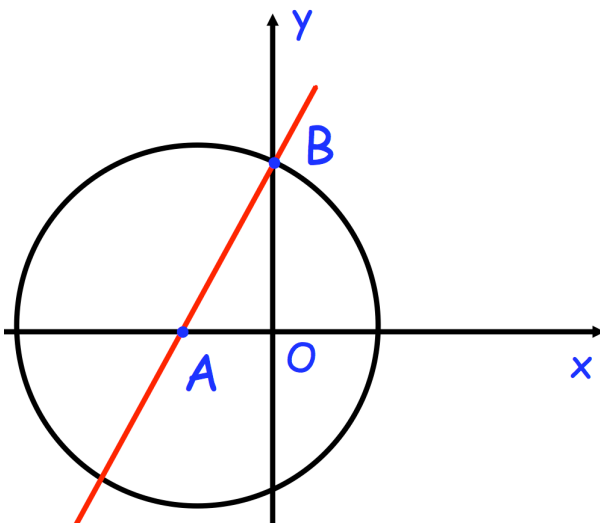
Corbettmaths

$$\sin^2 x + \cos^2 x = ?$$

Write down the coordinates of the minimum point on the curve

$$y = x^2 + 10x + 13$$

Shown below is the circle, centre A, with equation $(x + 9)^2 + y^2 = 225$



Find the equation of the line passing through A and B.

The transformation matrix **M** represents a 270° clockwise rotation about the origin.

Write down matrix **M**