

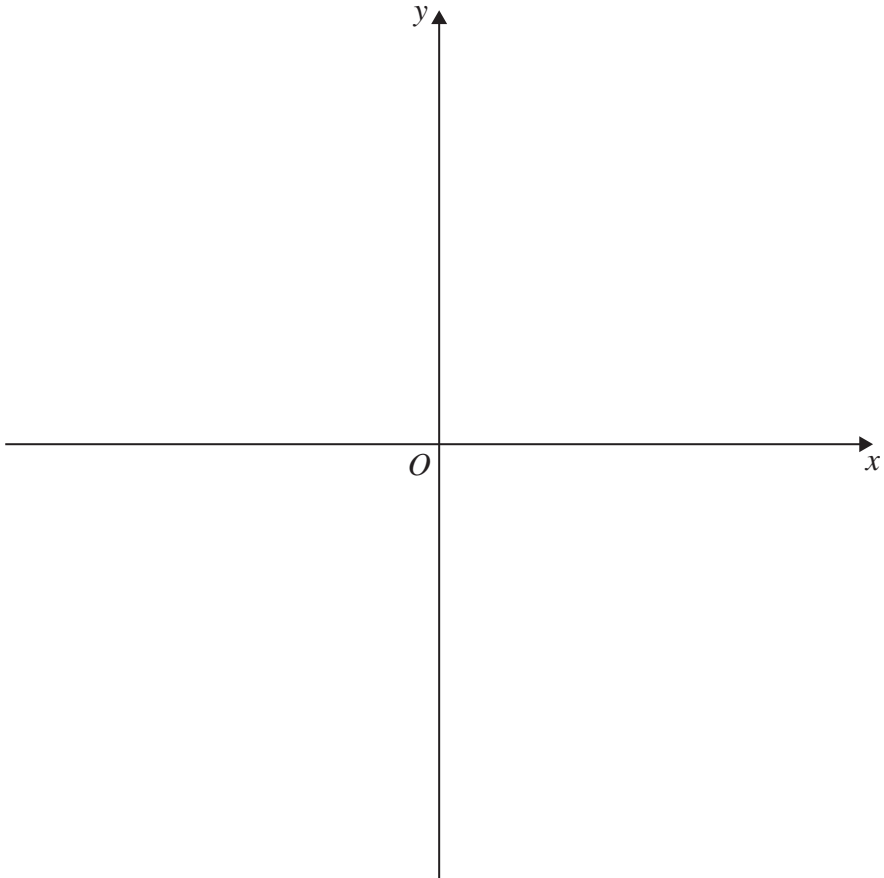
22 The equation of circle **A** is $x^2 + y^2 = 25$

Circle **A** is translated by the vector $\begin{pmatrix} 0 \\ -2 \end{pmatrix}$ to give circle **B**.

Sketch circle **B**.

Show the coordinates of

the centre of circle **B**
and the points where circle **B** meets the y-axis.



(Total for Question 22 is 3 marks)