

MEI Pure Mathematics Core 1

Co-ordinate geometry

Ex 2E

- ⑦ If the circle touches the axes, then the axes must be tangents to it and \perp to radii from the centre

Fact to remember

\therefore
Centre must be $(4, 4)$

$$\text{Eqn}^n \quad (x-4)^2 + (y-4)^2 = 4^2$$

$$\underline{x^2 - 8x + y^2 - 8y - 16 = 0}$$

