

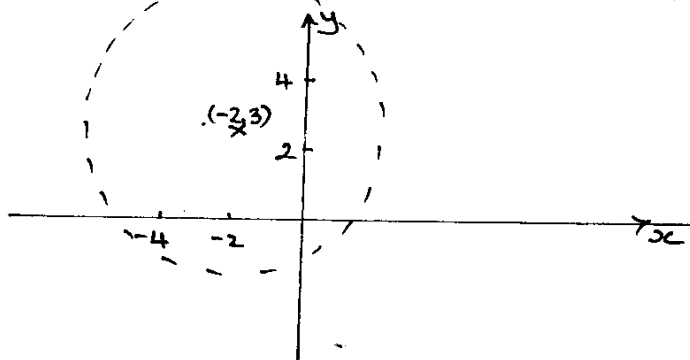
MEI Pure Mathematics Core 1

Co-ordinate geometry

Ex 2F

③ $(x+2)^2 + (y-3)^2 = 16$

Centre $(-2, 3)$ rad = 4



Eqn's // to y axis have the form $x = k$.

\therefore rad = 4 Tgts have eqn's $x = -2 \pm 4$
i.e. $\frac{x = 2}{x = -6}$

Tgts // to x axis have eqn's $y = c$

rad = 4 Tgts have eqn's $y = 3 \pm 4$
i.e. $\frac{y = 7}{y = -1}$