Question	Answer	Marks	Guidance
11	Radius: 5 soi	**B1**	Implied by $r^2 = 25$ or 25 used as r^2 in *their* 2nd circle equation
	Centre: $\left(4\sqrt{2}, 4\sqrt{2}\right)$ soi oe	**B2**	**B1** for (5.66, 5.66) or better OR **B1** for distance between centres is 8 soi
	$\left(x-\frac{8}{\sqrt{2}}\right)^2+\left(y-\frac{8}{\sqrt{2}}\right)^2 = 25$ oe or $x^2+y^2-2\left(4\sqrt{2}\right)x-2\left(4\sqrt{2}\right)y+2\left(4\sqrt{2}\right)^2-25=0$ oe	**M1**	**FT** *their*$\left(4\sqrt{2}, 4\sqrt{2}\right)$ in form (k, k) where k is a non-zero constant e.g. $\left(x-\textit{their}\frac{8}{\sqrt{2}}\right)^2+\left(y-\textit{their}\frac{8}{\sqrt{2}}\right)^2 = 25$ or $x^2+y^2-2\textit{their}x-\textit{their}y$ $+2(\textit{their})^2-25=0$ oe
	$x^2+y^2-8\sqrt{2}\,x-8\sqrt{2}\,y+39=0$	**A1**	Must be exact

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