	Question	Answer	Marks	AO	Guidance
6		$2\cos\theta = x + 3 \text{ or } \cos\theta = \frac{x+3}{2}$	B1	2.1	
		$2\sin\theta = y - 1 \text{ or } \sin\theta = \frac{y-1}{2}$	B1	1.1	
		$\left(\frac{x \pm 3}{2}\right)^2 + \left(\frac{y \pm 1}{2}\right)^2 = \cos^2 \theta + \sin^2 \theta \text{ or}$ $(x \pm 3)^2 + (y \pm 1)^2 = 4\cos^2 \theta + 4\sin^2 \theta$ oe	M1	1.1	allow sign errors in their expressions for $\sin\theta$ and $\cos\theta$; allow if just see brackets expanded, but must be 3 terms in each case
		$(x+3)^2 + (y-1)^2 = 4$	A1	1.1	allow SC2 for $(x + 3)^2 + (y - 1)^2 = 4$ unsupported
			[4]		
		Alternatively centre of circle is (-3, 1)	B1		
		radius is 2	B1		
		$(x+3)^2 + (y-1)^2 = 2^2$	M1		allow one sign error in bracket;
		$(x+3)^2 + (y-1)^2 = 4$	A1		