

Question			Answer	Marks	AO	Guidance	
6	(b)	(i)	C is a circle $\Rightarrow k^2 = 16$	M1	3.1a	Setting c and d equal in their $\frac{(x \pm a)^2}{c} + \frac{(y \pm b)^2}{d} = 1$ or stating that $y_{\min} = -2$ and $y_{\max} = 6$	Possibly implied by correct value for r www
			$r = 4$	A1	1.1	$r = \pm 4$ is A0 unless replaced with positive r only	
				[2]			
6	(b)	(ii)	$(16, 2), (-16, 2)$	B2	2.2a 2.2a	B1 for either one correct centre or both x -coordinates correct	These marks are dependent on $r = 4$ from correct working or www
				[2]			