

Question		Answer	Marks	AO		Guidance	
1	(i)	$(x+4)^2 - 16 + (y-1)^2 - 1 - 7 = 0$ $(x+4)^2 + (y-1)^2 = 24$  $C(-4,1)$	M1	1.1	E	Correct method to find centre of circle	e.g. $(x \pm 4)^2$ and $(y \pm 1)^2$ seen (or implied)
		A1	1.1	E			
1	(ii)	Radius = $\sqrt{24}$	B1	1.1	E	oe e.g. $2\sqrt{6}$	
			[2]				
			[1]				