1	Two circles, $C_1$ and $C_2$ , are drawn on a centimetre grid, with a scale of 1 cm for 1 unit on each axis.
	The centre of circle $C_1$ is at the point with coordinates $(-1, 3)$ and the radius of $C_1$ is 13 cm.
	The centre of circle $C_2$ is at the point with coordinates (7, 18) and the radius of $C_2$ is 6 cm.
	(a) Work out the distance between the centre of $C_1$ and the centre of $C_2$
	(3)
	(b) Explain why circle $C_1$ intersects circle $C_2$
	(1)
	(Total for Question 1 is 4 marks)