3	The	points A and B have position vectors $\begin{pmatrix} 2 \\ -1 \end{pmatrix}$ and $\begin{pmatrix} 5 \\ 4 \end{pmatrix}$ respectively. The vector \overrightarrow{AC} is $\begin{pmatrix} -2 \\ 2 \end{pmatrix}$.	
	(a)	Write down the position vector of C as a column vector.	[1]
	(b)	Show that B is equidistant from A and C.	[3]