Question			Answer	Marks	AO	Guidance
3	(a)		position vector of C is $\begin{pmatrix}2\\-1\end{pmatrix}+\begin{pmatrix}-2\\2\end{pmatrix}=\begin{pmatrix}0\\1\end{pmatrix}$	B1 [1]	2.5	Correct column vector notation. ISW if the modulus of the vector is given as well
3	(b)		$\overrightarrow{AB}=\begin{pmatrix}5-2\\4-(-1)\end{pmatrix}, \overrightarrow{BC}=\begin{pmatrix}0-5\\1-4\end{pmatrix},$ AB = $\sqrt{3^2+5^2}$ $[=\sqrt{34}]$ BC =$\sqrt{5^2+3^2}$ $[=\sqrt{34}]$ distances equal, so B is equidistant from A and C	M1 M1 E1	2.1 2.1 2.2a	attempt to calculate one of vectors $\overrightarrow{AB}$, $\overrightarrow{BA}$, $\overrightarrow{CB}$ or $\overrightarrow{BC}$ soi Attempts to find both lengths. Also allow for argument without distances based on matching components Complete argument www
				[3]		