

Question		Answer	Marks	AO	Guidance
7	(a)	B is (6, 7)	B1 B1 [2]	1.1 1.1	May be explicit or implied by position vector $\begin{pmatrix} 6 \\ 7 \end{pmatrix}$ and seen on their diagram. Diagram showing A (-2, 1) relative to the origin. Do not allow for a sketch with no scale nor labelling.
7	(b)	Distance AB is $\sqrt{8^2 + 6^2} = 10$	B1FT [1]	1.1	Allow 10 www. FT their A and B
7	(c)	Midpoint is (2, 4) This lies on the line $y = 2x$ as the y-coordinate is double the x-coordinate	M1 A1 [2]	1.1 2.2a	Attempt to find the coordinates or position vector of the midpoint of their AB Clear explanation. Allow $4 = 2 \times 2$