9	The coordinates of $A$ are $(-3, 2)$ and the coordinates of $C$ are $(5, 6)$ . The mid-point of $AC$ is $M$ the perpendicular bisector of $AC$ cuts the $x$ -axis at $B$ .	and
	(i) Find the equation of $MB$ and the coordinates of $B$ .	[5]
	(ii) Show that $AB$ is perpendicular to $BC$ .	[2]
	(iii) Given that $ABCD$ is a square, find the coordinates of $D$ and the length of $AD$ .	[2]