5	Two points have coordinates $A(5, 7)$ and $B(9, -1)$.	
	(i) Find the equation of the perpendicular bisector of AB .	[3]
	The line through $C(1, 2)$ parallel to AB meets the perpendicular bisector of AB at the point X .	
	(ii) Find, by calculation, the distance BX .	[5]