5	The equation of a curve is $y = x^2 - 4x + 7$ and the equation of a line is $y + 3x = 9$. The curve line intersect at the points A and B .	and the
	(i) The mid-point of AB is M. Show that the coordinates of M are $(\frac{1}{2}, 7\frac{1}{2})$.	[4]
	(ii) Find the coordinates of the point Q on the curve at which the tangent is parallel to	the line

[3]

[1]

y + 3x = 9.

(iii) Find the distance MQ.