5.	The curve C has equation $y = f(x)$ where	
	$f(x) = 3x^2 - 12x + 17$	
	a) Express $f(x)$ in the form	
	$a(x+b)^2+c$	
	where a , b and c are constants.	(3)
	b) Hence, or otherwise, state the coordinates of the minimum point of <i>C</i> .	(1)
	c) Sketch the graph of C, showing clearly the coordinates of the point where the curve crosses the y-axis.	
		(2)