3	$f(x) = 4x^2 - 8x + 7$	
	Given that $f(x) = l(x - m)^2 + n$ , for all values of $x$ ,	
	(a) find the value of $l$ , the value of $m$ and the value of $n$ .	(2)
		(3)
	(b) Hence, or otherwise, find	
	<ul><li>(i) the minimum value of f(x),</li><li>(ii) the value of x for which this minimum occurs.</li></ul>	
	(ii) the value of $x$ for which this infilling occurs.	(2)
••••		

Question 3 continued		
(Total for Question 3 is 5 marks)		

