I field the the first	five terms of a	sequence.				
	-1	0	3	8	15	
Find an express	ion, in terms of	n, for the n th	term of th	is sequence.		
				(Total for	Question 1 is 2 marks)	

2	2 Here are the first six terms of a quadratic sequence.									
		-1	5	15	29	47	69			
	Find an expression, in term	as of n , for	or the	nth term	of this	sequer	ce.			
_						(Total	for Question 2 is 3	marks)		
_						(Total	for Question 2 is 3	marks)		
						(Total	for Question 2 is 3	marks)		
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						(Total	for Question 2 is 3	marks)		

3 Here are the first five terms of a quadratic sequence.									
		10	21	38	61	90			
	Find an expression, in terms of	<i>n</i> , for the	he nth to	erm of 1	this seq	uence.			
					(Tot	al for Question 3 is 3 marks)			

4 Here are the first five terms of a sequence.								
		4	11	22	37	56		
F	find an expression, in	terms of n , i	for the <i>n</i> th	term of th	is sequenc	ce.		
					(Total fo	or Question 4 is 3 marks)		
					(Total fo	or Question 4 is 3 marks)		
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					(Total fo	or Question 4 is 3 marks)		

5	The <i>n</i> th term of a sequence is given by $an^2 + bn$ where a and b are integers.
	The 2nd term of the sequence is -2 The 4th term of the sequence is 12
	(a) Find the 6th term of the sequence.
	(4)
	Here are the first five terms of a different quadratic sequence.
	0 2 6 12 20
	(b) Find an expression, in terms of n , for the n th term of this sequence.
	(2)
	(Total for Question 5 is 6 marks)

6	Here are the first five te	rms of a ge	eometric	sequence.				,
				$20\sqrt{5}$	200	$400\sqrt{5}$		
	(a) Work out the next	erm of the	sequenc	e.				
				5 /2				(2)
	The 4th term of a diffe			ience is $\frac{5\sqrt{2}}{4}$	-			
	The 6th term of this se	quence is	$\frac{5\sqrt{2}}{8}$					
	Given that the terms of							
	(b) work out the first to You must show all			e.				
								(3)
					(Total f	or Question	n 6 is 5 ma	