4	(a) Show that $\sum_{r=1}^{n} (3r - 4) = \frac{n}{2}(3n - 5)$
	(b) Hence, or otherwise, evaluate $\sum_{r=11}^{50} (3r - 4)$

(3)

**(2)** 

Given that  $\sum_{r=1}^{n} (3r - 4) = 186$ 

(c)	find	the	value	of	n.
-----	------	-----	-------	----	----

(3)

Question 4 continued				
	(Total for Question 4 is 8 marks)			

