3	A geometric series has first term $(11x - 3)$, second term $(5x + 3)$ and third term $(3x - 3)$.	
	(a) Find the two possible values of <i>x</i> .	(4)
	For each of your values of x ,	(4)
	(b) find the corresponding value of the common ratio of the series.	(2)
	Given that the series is convergent,	(3)
	(c) find the sum to infinity of the series.	
		(3)
	6	

DO NOT WRITE IN THIS AREA

Question 3 continued				



DO NOT WRITE IN THIS AREA

Question 3 continued				
	(Total for Question 3 is 10 marks)			
	(10th 101 Question 5 is 10 illains)			