5	A curve C has equation $y = \frac{2x-5}{x+3}$, $x \neq -3$				
	(a) Find an equation of the asymptote to C which is parallel to				
	(i) the x-axis, (ii) the y-axis.	(2)			
	(b) Find the coordinates of the point where C crosses				
	(i) the x-axis, (ii) the y-axis.				
		(2)			
	(c) Sketch the graph of <i>C</i> , showing clearly its asymptotes and the coordinates of the points where the graph crosses the coordinate axes.				
		(3)			
	(d) Find the gradient of C at the point on C where $x = -1$	(2)			
		(3)			

Question 5 continued					



Question 5 continued						

Question 5 continued				
	(Total for Question 5 is 10 marks)			

