- 6 The curve C has equation $y = \frac{2x-4}{x-3}$ $x \neq 3$
 - (a) Write down 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 C, showing clearly the asymptotes and the coordinates of the points where C crosses the coordinate axes.

(3)

 	 	 	 	 ••••••	 	 	 	 	
 	 	 	 	 •••••	 	 	 	 	

Question 6 continued	



Question 6 continued	

Question 6 continued	
(Total for Question	6 is 7 marks)
(

