DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

BLANK PAGE DO NOT WRITE ON THIS PAGE



DO NOT WRITE IN THIS AREA

Answer all ELEVEN questions.

Write your answers in the spaces provided.

You must write down all the stages in your working.

1 (a) Use the formula for cos(A + B) to show that $cos 2A = 1 - 2 sin^2 A$

(2)

Given that $\sin A = \frac{x+1}{2}$ and $\cos 2A = \frac{4-y}{3}$

(b) show that $y = \frac{1}{2} (3x^2 + 6x + 5)$

(3)

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

Question 1 continued	
	(Total for Question 1 is 5 marks)

