(a) Solve $\log_a 1024 = 5$ (1) (b) Solve $\log_3(6c + 9) = 4$ (2) (c) Solve $2(\log_b 25 + \log_b 125) = 5$ (d) Solve the equations, giving the values of x and y to 3 significant figures, $3\log_2 x + 4\log_3 y = 10$ $\log_2 x - 2\log_3 y = 1$ **(6)**

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Question 7 continued				



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(Total for	r Question 7 is 13 marks)
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