10	The condition of a constant $G'(x) = G'(x) + $			
10	The equation of a curve C is $y = f(x)$ where $f'(x) = 3x^2 - 4x - p$ and $p \ne 0$			
	The points with coordinates $(2, 0)$ and $(-1, 9)$ lie on $C$ .			
	(a) Show that C has equation $y = x^3 - 2x^2 - 4x + 8$			
		(6)		
	The straight line $l$ has equation $y = 8 - 4x$			
	(b) Use algebraic integration to find the exact area of the finite region bounded by C			
	and $l$ .			
		(6)		
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DO NOT WRITE IN THIS AREA

Question 10 continued					



DO NOT WRITE IN THIS AREA

Question 10 continued							

