Quiz 8 November 9, 2007
Show all work for complete credit!
1a) What is the statement of the Mean Value Theorem, for a function f(x) which is continuous on the closed interval [a, b] and differentiable on the open interval (a, b)? (1 point)
1b) Verify the Mean Value Theorem, for $f(x) = \frac{1}{x}$, $1 \le x \le 3$. (3 points)
2) Compute the following antiderivatives: $\int x^2 + 3\sin(2x) + \frac{1}{x^3} dx$ (3 points)
$\int \frac{7 t^2}{\sqrt{10 + 15 t^3}} dt$ (3 points)

Math 1210-2

Name.....UID.....