Your Name:	Signature:	_
TA Name:	Drill Time:	-
	Quiz 7 Math 2574: Calculus III	

Instructions: CLEARLY SHOW ALL YOUR WORK.

1. [5 points] Let $f(x,y) = e^{x+2y}$ and let R be the region $R = \{(x,y) \mid 0 \le x \le \ln 2, 0 \le y \le \ln 3\}$. Evaluate the integral $\iint_R f(x,y) \ dA.$

2. [5 points] Consider the iterated integral

$$\int_0^1 \int_y^1 e^{x^2} \, dx dy.$$

Sketch the region R in the xy-plane over which this integral is being performed, then change the order of integration. Do not evaluate the integral!

