Name:
March 19, 2015
MAC 2313.3118
Cyr

<div align="center">
Quiz 9
You must show all work to receive full credit!!
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Problem 1. (6 pts) Evaluate by first changing the order of integration: $\displaystyle\int_0^4 \int_{\sqrt{y}}^2 \sqrt{x^3 + 1}\, dx\, dy$.

Problem 2. (4 pts) Rewrite $\displaystyle\iiint_{\mathcal{W}} e^z\, dV$ as an iterated integral, where $\mathcal{W}$ is the region in the first octant $(x \geq 0, y \geq 0, z \geq 0)$ satisfying $x + y + z \leq 1$. DO NOT EVALUATE.