

MATH 2242-090 — Spring 2016 — Dr. Clontz — Quiz 6

Name: _____

- Each quiz question is labeled with its worth toward your total quiz grade for the semester.
- On multiple choice problems, you do not need to show your work. No partial credit will be given.
- On full response problems, show all of your work and give a complete solution. When in doubt, don't skip any steps. Partial credit will be given at the discretion of the professor.
- This quiz is open notes and open book.
- This quiz is due at the end of class. Quizzes submitted over one minute late will be penalized by 50%.

1. (10 points) Evaluate $\int_1^2 \int_{1/x}^{2/x} x e^x \, dy dx$.

2. (10 points) Write the double integral $\iint_T xy \, dA$ as an iterated integral (i.e. set up the bounds, but don't evaluate) where T is the triangle with vertices $(-2, 0)$, $(0, 1)$, $(3, 0)$.