

Math 1B: Quiz 1
GSI: Theo Johnson-Freyd

Name: _____
Thursday, 25 June 2009

You must always justify your answers. This means: show your work, show it neatly, and when in doubt, use words (and pictures!) to explain your reasoning. No justification = no points.

1. (5 pts) Evaluate the integral $\int_0^4 y e^{-y/2} dy$.

2. (5 pts) Evaluate the integral $\int \tan^3 \theta \sec^5 \theta d\theta$.

3. (0 pts) Can you make my currently scheduled office hours? Would you rather have Monday and/or Wednesday office hours from 4 to 4:45? Consider that moving Monday's office hours later means no office hours before the quiz on Monday.