Math 1B Quiz 7

GSI: Theo Johnson-Freyd

http://math.berkeley.edu/~theojf/08Summer1B/

Thursday, 17 July 2008

Name: _____   Score: /10

You have twenty minutes (plus the break) to complete the following closed-note open-chalkboard quiz. Partial credit will be awarded for correct work, and no points will be given for simply writing down the correct answer. Please box your final answers. Use the back of the page as necessary.

1. (0 pts) What kind of cookies should Theo bring to the midterm?

2. (10 pts) Solve the initial value problem:

$$4y'' - 4y' + y = 48t^2 e^{t/2} - 2t \cos \frac{t}{2}, \quad y(0) = 0, \quad y'(0) = 1$$

   Hints: All coefficients in your final answer should be integers. This is two (or three, depending on how you count) problems rolled into one.