

# Math 1B Quiz 6

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<http://math.berkeley.edu/~theo/f/08Summer1B/>

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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.*

1. (5 pts) Find the general solution to the differential equation:

$$y'' - 4y' + 13y = 0$$

2. (0 pts) Where have you never traveled but really want to?

3. (5 pts) Solve the initial value problem:

$$y'' + y' - 42y = 0, \quad y(0) = -1, \quad y'(0) = 20$$