MATH 3D Self-Quiz 5
Name: ________________________________

Week of Feb. 13, 2006
Closed book, no calculator

Solve the following problems. Try to solve each problem within the suggested time.

1. (8 minutes) Find the solution of

   \[ y'' - 6y' + 7y = 0, \quad y(0) = 1, \quad y'(0) = 2. \]

2. (2 minutes) Find the general solution of

   \[ 2t^2 y'' - 5ty' - 4y = 0 \]