Name: July 15, 2016 MAP 2302.4787 Cyr

Quiz 3 You must show all work to receive full credit!! **Problem 1.** (2 points) Solve the initial value problem  $y'' - 2y' + 2y = 0, \ y(\pi) = e^{\pi}, \ y'(\pi) = 0.$ 

**Problem 2.** (3 points) Find a general solution for the differential equation y''' + 4y'' - 11y' + 6y = 0.