
Math 221 Quiz 7

Name: _____

Score: _____

Instructions: You must show supporting work to receive full and partial credits. No text book, notes, formula sheets allowed.

1(2pts) Find two linearly independent solutions to the equation $y'' - 4y = 0$.

2(4pts) Use the method of undetermined coefficients to find a particular solution to the nonhomogeneous equation $y'' - 4y = 2e^x$.

3(4pts) Use the method of variation of parameters to find a particular solution to the same nonhomogeneous equation $y'' - 4y = 2e^x$.