

MTH 3331 - Test #3

SPRING 2001

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Name _____

Instructions. Show clearly how you arrive at your answers

1. Solve, using the Method of Undetermined Coefficients: $y'' - 4y' + 4y = e^{2x}$
2. Solve, using Variation of Parameters: $y'' + y = \csc(x)$
3. Solve, using Undetermined Coefficients and then Variation of Parameters: $x^2y'' + 4xy' - 4y = 2x$