KFUPM/ Department of Mathematics & Statistics/ 163/ MATH 202-04/ Quiz 2

Name: ID #: Serial #:

1. Use reduction of order to find a 2nd solution y_2 of y'' - 16y = 0 given that $y_1 = e^{4x}$ is a solution.

2. Solve the DE y'' - y' - 12y = 0.