

Math 202 (143)
Quiz 3 (4.2-4.5)

Name:

ID #:

Section #: 02

1. The function $y_1(x) = 2$ is a solution of
 $(x^2 - 1)y'' - 4xy' = 0$.
Use reduction of order formula to find a second solution.

2. Determine the form of a particular solution for
 $y'' + y = \sin x - e^x + 1$.