

Math 226.01: Differential Equations and Linear Algebra
Quiz 8
November 5, 1998

Name: _____

Find the solution to the following initial value problem on the interval $0 < x < \infty$

$$x^2 y'' - xy' + y = 0, \quad y(1) = 3, \quad y'(1) = 5.$$

Answer: _____

Sign the pledge: "On my honor, I have neither given nor received unauthorized aid on this Exam."

Signature: _____