

Math 226.01: Differential Equations and Linear Algebra  
Quiz 1  
September 3, 1998

**Name:** \_\_\_\_\_

Find the solution of the following initial value problem

$$y' + \frac{2}{t}y = \frac{\sin 3t}{t^2}, \quad y\left(\frac{\pi}{2}\right) = 1$$

**Answer:** \_\_\_\_\_

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

**Signature:** \_\_\_\_\_