Math	221	Quiz	5
IVIAUII		Quiz	U

Fall '06

Name:____

Score:_

Instructions: You must show supporting work to receive full and partial credits. No text book, notes, formula sheets allowed.

1(8pts) Solve the equation tx'' = -x' + 4t by reducing it to a first-order equation.

2(7pts) Find the solution to the initial value problem u'' + u' + u = 0, u(0) = u'(0) = 1.