# 1St Midterm Exam – Math 225

Fall 2013 –

Exercise 1:

State the order of the given equations. Determine whether the equation is linear or nonlinear.

Exercise 2:

Verify that the function: is an explicit solution of the differentiable equation:

Assume an appropriate internal ***J*** of definition of.

Exercise 3:

1. Verify that is a two-parameter family of solutions of (E)

Exercise 4:

Solve the given (Separable) equation:

Exercise 5:

Find an explicit solution of