Math 678. Fall 2011.
Homework #1.
Due Wednesday 09/14/11 in class.

Solutions should represent individual work, with all necessary details. Only facts discussed
in class or given in the main textbook can be used without proof. Only selected problems
will be graded. No homework will be accepted after the due date has passed.

Complete the following exercises from "Partial Differential Equations" by
Evans:

(1) Classify all equations on p.5 as semilinear, quasilinear or fully nonlinear.
(2) Do problems ## 2,4 from the Problem Set 1 (p.12)
(3) Do problem ## 1,2 from the Problem Set 2 (p.85)