

MA533 Partial Differential Equations

Fall 2011

Problem Set 6

November 9, 2011

DUE: Friday, 18 November 2011

- (1) Evans, page 88, # 16, second edition, on a direct proof of the maximal principle for a solution to the heat equation.
- (2) Evans, page 88, # 19, second edition, on the PDE $u_{xy} = 0$.
- (3) Evans, page 88, # 24, on the equipartition of energy for solutions to the wave equation.