Math 404 Homework Assignment #2

Due Wed : Feb 15

1. 3x - 3y + u = 1

1x1<00 ,141<00

4(x,0) = sin(x)

- 2. x 3x + y 3x = 3 4 (1,4) = ln(4)
- 3. $x^2 \frac{\partial y}{\partial x} y^2 \frac{\partial y}{\partial y} = 0$ u(1,y) = F(y) F no any continuously

differentiable function

reading assignment: 58 1.3-1.5, 4.1-4.2