

## **Fourth Homework Assignment**

**(due Friday November 5th)**

(1) Munkres: section 18, problem 3

(2) Munkres: section 20. problem 6

(3) Lecture 1 (ODE's): problem 4

(4) Lecture 2 (The Picard Theorem): problem 2

(5) Lecture 2 (The Picard Theorem): problem 7