Economics 4113, Spring 2009. Instructor: David Rahman, University of Minnesota.

Homework 3—Due March 12, 2009

1. Find all pure- and mixed-strategy Nash equilibria of the following games.

2. Consider the following game.

	L	M	R
U	4, 3	5, 1	6, 2
C	2, 1	8,4	3, 6
D	3,0	9, 6	2, 8

- (a) Find all pure-strategy Nash equilibria.
- (b) Are there any mixed-strategy Nash equilibria?
- 3. Consider the following three-person game, where player 1 picks a row, player 2 picks a column, and player 3 picks a matrix.

- (a) Find all pure-strategy Nash equilibria.
- (b) Are there any mixed-strategy Nash equilibria?
- 4. Find all Nash equilibria of the following three-person game.

5. Find all Nash equilibria of the game "Rock-Scissors-Paper."