PROBLEM SET 6 due **Thu.**, **March 27th in class** (In class or my mailbox beforehand)



Exercise 1 (15 pts.) List the pure strategy Nash equilibria in the following zero-sum game. You don't need to show your work.

	Column								
		C1		C2		C3		C4	
Row	R1		-4		-5		-4		-5
		4		5		4		5	
	R2		-4		-6		-4		-6
		4		6		4		6	
	R3		-3		-7		-2		-7
		3		7		2		7	
	R4		-2		-7		-3		-9
		2		7		3		9	

Exercise 2 (15 pts.) Find expected utilities of both Row and Column in this mixed strategy profile for the following game. Show your work.

$$\langle (\frac{1}{3})Left; (\frac{2}{3})Right, (\frac{1}{2})Up; (\frac{1}{2})Down \rangle$$

		Column				
		Up	Down			
	T of t	1	2			
Row	Left	3	2			
Ttow	Right	0	3			
		2	1			

Exercise 3 (20 pts.) Find the mixed strategy Nash equilibrium for the following game. Show your work.

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Coli	ımn

	C1		C2		
R1		5		2	
n_1	5		8		
Do		1		8	
R2	9		2		

Row