IGT Quiz 1

1.

a) In a matrix A, when is Uc <= Ur?

b) If the above found condition is satisfied show that Uc <= Ur.

2.

	B_1	B_2
A_1	0,0	10,10
A_2	-20,10	20,0

Are there any PSNEs? Reason out why if yes/no. Find the MSNE of the game.

3.

	B_1	B_2
A_1	2	1
A_2	-1	3

Solve the above zero sum game graphically.

4.

	B_1	B_2	B_3	B_4
A_1	5,6	5,6	6,7	6,7
A_2	4,6	6,7	6,5	4,5
A_3	6,5	4,5	5,6	7,4
A_4	5,1	4,1	7,1	6,1

Find an equilibrium for this game by iterated dominance. Explain each elimination (Strongly/weak dominance). Is the found equilibrium a PSNE?