

Place **ANSWERS ONLY** in the boxes.

Given the following zero-sum games;

$$A: \begin{bmatrix} 3 & -2 \\ 2 & -1 \\ -1 & 0 \end{bmatrix}$$

$$B: \begin{bmatrix} 1 & -3 & 4 \\ 8 & -4 & 12 \\ 2 & -6 & 7 \end{bmatrix}$$

$$C: \begin{bmatrix} 1 & -3 & -4 \\ 2 & 0 & 1 \\ 5 & -2 & 7 \end{bmatrix}$$

In each game Player I selects rows, Player II selects columns

8a) Is game A strictly determined? (YES or NO)

b) If it is, find the value. (If not, leave this blank)

c) If it is, which player the game favors, Player I, Player II or none ? (If not, leave this blank)

d) If it is, what is the best strategy for each player? (If not, leave this blank)

Player I:

Player II:

9a) Is game B strictly determined? (YES or NO)

b) If it is, find the value. (If not, leave this blank)

c) If it is, which player the game favors, Player I or Player II? (If not, leave this blank)

d) If it is, what is the best strategy for each player? (If not, leave this blank)

Player I:

Player II:

10 a) Is game C strictly determined? (YES or NO)

b) If it is, find the value. (If not, leave this blank)

c) If it is, which player the game favors, Player I or Player II or none? (If not, leave this blank)

d) If it is, what is the best strategy for each player? (If not, leave this blank)

Player I:

Player II: