

## Quiz #7

**Directions:** Carefully read each question below and answer to the best of your ability in the space provided. Your answer to problems should be written in a clear and concise manner. You **MUST** show your work to receive full credit!

1. (5 points) Consider the matrices  $A = \begin{bmatrix} 1 & 0 \\ 2 & -1 \end{bmatrix}$  and  $B = \begin{bmatrix} 3 & -2 & 1 \\ 1 & 0 & 4 \end{bmatrix}$ .

If possible, find the matrices  $AB$  and  $BA$  or explain why you can't find the particular product of matrices.

2. (5 points) Find the transpose of the matrix  $B$  from question 1.

Name: \_\_\_\_\_

Section (circle one):            001            002

Question:	1	2	Total
Points:	5	5	10
Score:			