

Attendance Quiz for Sept. 27, 2010

NAME: (print!) \_\_\_\_\_ Section: \_\_\_\_\_

E-MAIL ADDRESS: (print!) \_\_\_\_\_

If

$$A^{-1} = \begin{bmatrix} -2 & 4 \\ 5 & 7 \end{bmatrix}, \quad B^{-1} = \begin{bmatrix} 1 & -1 \\ 2 & 3 \end{bmatrix},$$

Compute the following expressions

1.  $(AB)^{-1}$

2.  $(BA)^{-1}$

3.  $(A^T)^{-1}$

4.  $(AB^T)^{-1}$