

Name: _____

R. Hammack

Score: _____

Directions: Please answer all questions in the space provided.

Use of calculators or any form of electronic communication device is strictly forbidden on this quiz.

1. For this problem, $A = \begin{bmatrix} 2 & 3 & -1 \\ 1 & 5 & 5 \end{bmatrix}$, $B = \begin{bmatrix} 2 & -1 \\ -2 & 1 \end{bmatrix}$, $C = \begin{bmatrix} -2 \\ 4 \end{bmatrix}$, and $D = \begin{bmatrix} -2 & 0 \end{bmatrix}$.

Perform the indicated operations or state that they are not possible.

(a) $BA =$

(b) $A^T C =$

(c) $B^{-1} =$

(d) $CD =$

(e) Solve the equation $X - 3B + 2I_2 = O$ for X .