

Name: _____

Hammack

Score: _____

Put away phones, calculators, smart watches, etc. Answer in the space provided.

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 $D = \begin{bmatrix} -2 & 0 \end{bmatrix}$.

(a) $-\frac{1}{2}B =$

(b) $BA =$

(c) $DBA =$

(d) $A^T C =$

(e) $CD =$

(f) Solve this equation for X : $X - 3B + 2I_2 = O_{22}$.