



Subject: \_\_\_\_\_  
Date: \_\_\_\_\_

$$\left[ \begin{array}{ccccc|ccccc} 1 & 0 & 0 & 0 & 1 & -1 & 1 & 1 & 0 & 0 \\ 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 1 \\ 0 & 0 & 1 & 0 & -1 & 1 & -1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & -1 & 1 & 0 & -1 & 0 & -1 \\ 0 & 0 & 0 & 0 & 1 & 0 & 1 & 0 & -1 & 0 \end{array} \right] \rightarrow \left[ \begin{array}{ccccc|ccccc} 1 & 0 & 0 & 0 & 0 & -1 & 0 & 1 & 1 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & -1 & 0 & 1 & 1 \\ 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 & -1 & 0 \\ 0 & 0 & 0 & 1 & 0 & 1 & 1 & -1 & -1 & -1 \\ 0 & 0 & 0 & 0 & 1 & 0 & 1 & 0 & -1 & 0 \end{array} \right]$$

$$\rightarrow A^{-1} = \left[ \begin{array}{ccccc|ccccc} -1 & 0 & 1 & 1 & 0 \\ 0 & -1 & 0 & 1 & 1 \\ 1 & 0 & 0 & -1 & 0 \\ 1 & 1 & -1 & -1 & -1 \\ 0 & 1 & 0 & -1 & 0 \end{array} \right]$$