

3)
$$A = \begin{pmatrix} 1 & 2 & -2 \\ 3 & -1 & 4 \end{pmatrix}$$
 $B = \begin{pmatrix} -3 & -2 & -1 \\ 2 & -4 & 1 \end{pmatrix}$
 $2A - 3X = 4PS$

2. $\begin{pmatrix} 1 & 2 & -2 \\ 3 & -1 & 4 \end{pmatrix}$
 $\begin{pmatrix} X_{11} & X_{12} & Y_{13} \\ X_{11} & X_{12} & Y_{13} \end{pmatrix} = \begin{pmatrix} 4 & \begin{pmatrix} -3 & -2 & -1 \\ 2 & -4 & 2 \end{pmatrix}$
 $\begin{pmatrix} 2 & 4 & -4 \\ 6 & -2 & 8 \end{pmatrix}$
 $\begin{pmatrix} 3X_{11} & 3X_{12} & 3X_{13} \\ 3X_{13} & 3X_{13} & 3X_{13} \end{pmatrix} = \begin{pmatrix} -12 & -8 & -4 \\ 8 & -16 & +4 \end{pmatrix}$

2. $\begin{pmatrix} 4 & -4 \\ 6 & -2 & 8 \end{pmatrix}$
 $\begin{pmatrix} -3 & X_{11} & -3X_{12} & -3X_{13} \\ -3X_{12} & -3X_{12} & -3X_{13} \end{pmatrix} = \begin{pmatrix} -12 & -8 & -4 \\ 8 & -16 & +4 \end{pmatrix}$
2. $\begin{pmatrix} -3 & X_{12} & -12 \\ 2 & +12 & -5X_{11} \end{pmatrix}$
 $\begin{pmatrix} 4 & -3X_{12} & -12 \\ 3 & -12 & -12 \end{pmatrix}$
 $\begin{pmatrix} 4 & -3X_{12} & -12 \\ 4 & -3X_{12} & -16 \end{pmatrix}$
 $\begin{pmatrix} -2 & 3X_{12} & -16 \\ -2 & 3X_{12} & -16 \end{pmatrix}$
 $\begin{pmatrix} -3 & X_{12} & -16 \\ -2 & 3X_{12} & -16 \end{pmatrix}$
 $\begin{pmatrix} -2 & 3X_{12} & -16 \\ -2 & 3X_{12} & -16 \end{pmatrix}$
 $\begin{pmatrix} 4 & -3X_{12} & -16 \\ -2 & 3X_{12} & -16 \end{pmatrix}$
 $\begin{pmatrix} 4 & -3X_{12} & -16 \\ -2 & 3X_{12} & -16 \end{pmatrix}$
 $\begin{pmatrix} 4 & -3X_{12} & -16 \\ -2 & 3X_{12} & -16 \end{pmatrix}$
 $\begin{pmatrix} 4 & -3X_{12} & -16 \\ -2 & 3X_{12} & -3X_{12} & -3X_{12} \end{pmatrix}$
 $\begin{pmatrix} -2 & 3 & 14 & -3X_{12} & -16 \\ -2 & 3 & -3X_{12} & -3X_{12} & -3X_{12} & -3X_{12} \\ -2 & -3X_{12} & -3X_{12} & -3X_{12} & -3X_{12} & -3X_{12} \\ -2 & -3X_{12} & -3X_{12} & -3X_{12} & -3X_{12} & -3X_{12} & -3X_{12} \\ -2 & -3X_{12} & -3X_{12} & -3X_{12} & -3X_{12} & -3X_{12} & -3X_{12} \\ -2 & -3X_{12} &$

