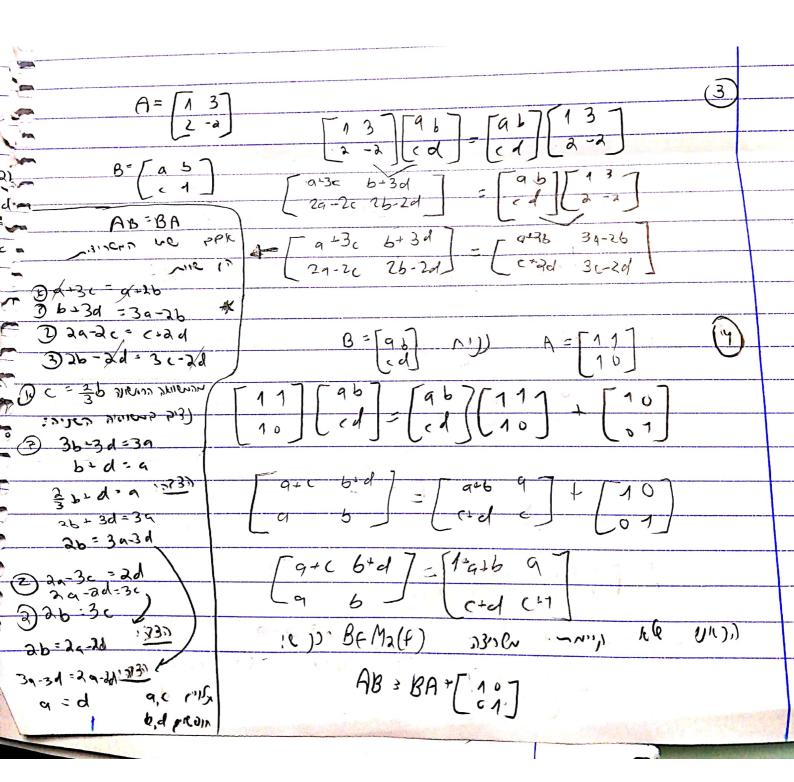
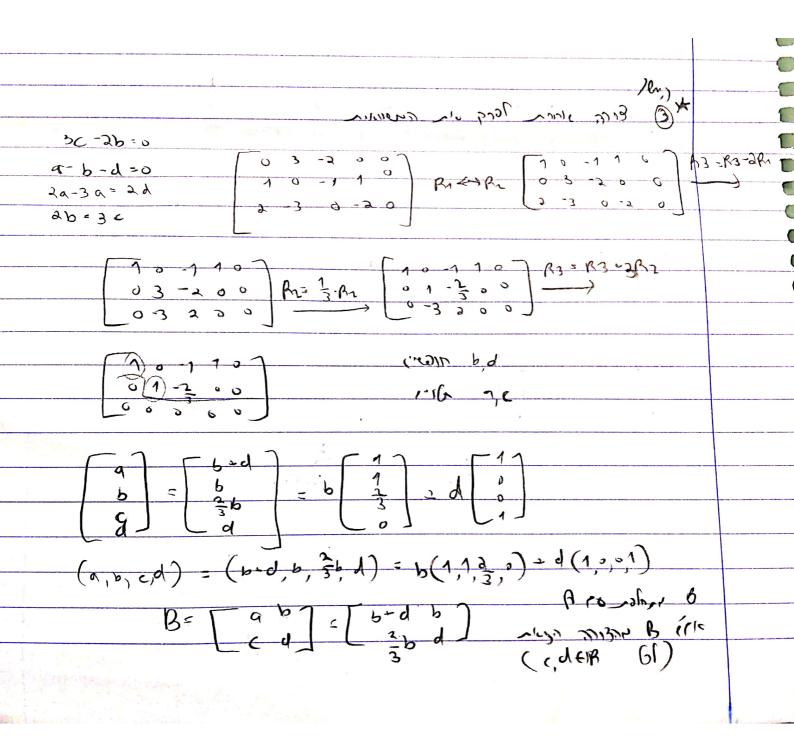
$$A = \begin{bmatrix} 1 & -1 & 0 & a \\ 0 & 1 & 3 & 2 \\ 2 & 3 & 1 & -3 \end{bmatrix} \quad (AB) = \begin{bmatrix} 1 & -1 & 0 & a \\ 0 & 1 & 3 & 2 \\ 2 & 3 & 1 & -2 \end{bmatrix} \begin{bmatrix} -3 & 1 & 0 \\ 1 & 3 & 5 \\ 2 & 3 & 1 \end{bmatrix} = \begin{bmatrix} 2 & -3 & 1 \\ 3 & 5 & 1 & 1 \\ 3 & 5 & 1 & 1 \end{bmatrix}$$

$$C = \begin{bmatrix} 1 & 1 & 0 \\ 2 & 1 & 1 \\ 2 & 1 & 1 \end{bmatrix} \quad (BC) = \begin{bmatrix} 2 & 0 & 4 & 1 \\ -3 & 1 & 0 \\ 1 & 3 & 5 \end{bmatrix} \begin{bmatrix} 1 & 1 & 1 \\ 2 & 0 & 1 \end{bmatrix} = \begin{bmatrix} 2 & -3 & 1 \\ 3 & 5 & 1 & 1 \\ 2 & 0 & -1 \end{bmatrix}$$

$$A(BC) = \begin{bmatrix} 1 & 1 & 0 & 2 \\ 0 & 1 & 3 & 2 \\ 2 & 3 & 1 & 2 \end{bmatrix} \begin{bmatrix} 1 & 1 & 1 \\ 2 & 0 & 1 \\ 3 & 3 & 1 \end{bmatrix} = \begin{bmatrix} 3 & -5 \\ 2 & 0 & -21 \\ 3 & -11 \end{bmatrix}$$





$$\begin{bmatrix}
a b \\
c d
\end{bmatrix}
\begin{bmatrix}
0 0 \\
1 0
\end{bmatrix}
\begin{bmatrix}
0 0 \\
0 0
\end{bmatrix}
=
\begin{bmatrix}
0 0 \\
0 0
\end{bmatrix}
=$$

A+0 A2=0 -8 p A ∈ M2 (18)

A. A = [00] [00] [00] [00][00]=[00] -13-76H) 1781K G1 A #B (A = CB A 5 [ 1 2] B=[2 3]  $CA = \begin{bmatrix} 1 \\ 1 \end{bmatrix} \begin{bmatrix} 1 \\ 3 \end{bmatrix} \begin{bmatrix} 1 \\ 4 \end{bmatrix} \begin{bmatrix} 4 \\ 4 \end{bmatrix}$  $CB = \begin{pmatrix} 1 & 1 \\ 1 & 1 \end{pmatrix} \begin{bmatrix} 2 & 3 \\ 2 & 3 \end{bmatrix} = \begin{bmatrix} 46 \\ 46 \end{bmatrix}$ A+B FA (A=CB