1. Compute the following.

   (a) $\begin{bmatrix} x & 6 \\ 4 & 3 \end{bmatrix} \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}$

   Aswer: $\begin{bmatrix} x & 6 \\ 4 & 3 \end{bmatrix}$

   (b) $\begin{bmatrix} x & 6 \\ 4 & 3 \end{bmatrix} \begin{bmatrix} 1 & 2 \\ 0 & 1 \end{bmatrix}$

   Aswer: $\begin{bmatrix} x & 2x+6 \\ 4 & 11 \end{bmatrix}$

2. Give the size of the answer matrix for the calculations that are possible.

A	B	C	D	E	F	G
3 x 4	4 x 3	4 x 3	5 x 4	4 x 2	2 x 5	5 x 4

   (a) $6AEF =$

   answer: 3 X 5

   (b) $D(B + C) =$

   answer: 5 X 3

   (c) $2A + B =$

   not possible