1. Compute the following.

   (a) $\begin{bmatrix} a & 5 \\ 3 & 7 \end{bmatrix} \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}$

   answer: $\begin{bmatrix} a & 5 \\ 3 & 7 \end{bmatrix}$

   (b) $\begin{bmatrix} a & 5 \\ 3 & 7 \end{bmatrix} \begin{bmatrix} 1 & 0 \\ 3 & 1 \end{bmatrix}$

   answer: $\begin{bmatrix} a+15 & 5 \\ 24 & 7 \end{bmatrix}$

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) $2DBA =$

   answer: 5 x 4

   (b) $F(D+G) =$

   answer: 2 x 4

   (c) $2E + F =$

   answer: not possible