

4-4 Matrices

$$A = [3 \quad 4 \quad 7] \quad B = \begin{bmatrix} 2 \\ 7 \\ 1 \end{bmatrix} \quad C = \begin{bmatrix} 4 & 2 \\ 6 & 5 \end{bmatrix} \quad D = \begin{bmatrix} 4 & 2 & 8 \\ 3 & 3 & 5 \\ 1 & 1 & 6 \end{bmatrix}$$

$$E = \begin{bmatrix} 4 & -2 \\ 3 & -1 \end{bmatrix} \quad F = \begin{bmatrix} 5 & 2 \\ 2 & 1 \end{bmatrix} \quad G = \begin{bmatrix} -3 & 0 \\ -2 & 6 \end{bmatrix}$$

- _____ 1. What size is matrix A?
_____ 2. What size is matrix B?
_____ 3. What size is matrix C?
_____ 4. What size is matrix D?

Calculate the following:

5. $E + F$ 6. $2C$ 7. $G - F$
8. CE 9. FG 10. CG
11. DD 12. AB 13. AD