

Homework 5 MATH 304 Section 3

Assigned: Monday, September 15.

Potentially Collected: Monday, September 22.

$$A = \begin{bmatrix} 7 & 0 & -1 \\ -1 & 5 & 2 \end{bmatrix} \quad B = \begin{bmatrix} -1 & 4 & 1 \\ 5 & -3 & 0 \end{bmatrix}$$
$$C = \begin{bmatrix} 1 & 4 \\ -4 & 0 \end{bmatrix} \quad D = \begin{bmatrix} 1 & 0 \\ -2 & 1 \end{bmatrix} \quad E = \begin{bmatrix} 7 \\ -3 \end{bmatrix}$$

1. Calculate the matrices $-2A$ and $\frac{1}{2}E$.
2. Which pair of matrices can be summed? Add them.
3. Which matrices can be multiplied? Multiply them.
(Remember non-commutativity of matrix multiplication!)