

Math 3280 Worksheet 13: Matrix Algebra

Group members (2 to 4): _____

(1) If $B = \begin{pmatrix} 1 & 2 & 3 \end{pmatrix}$ and $C = \begin{pmatrix} -2 \\ -2 \\ 2 \end{pmatrix}$, compute both BC and CB .

(2) Find **all** of the 2 by 2 matrices $A = \begin{pmatrix} a & b \\ c & d \end{pmatrix}$ such that $AA = I$.