

Math 3280 Worksheet 10: Matrix inverse computation

Group members (1 to 3): _____

- (1) Find the inverse of the following matrix A by using row operations (multiplying rows, adding a multiple of one row to another, and interchanging rows) on the matrix A adjoined to the 3×3 identity matrix. Also write down the elementary matrices corresponding to each row operation.

$$A = \begin{bmatrix} 0 & 0 & 1 \\ 2 & 0 & 0 \\ 0 & 1 & 2 \end{bmatrix}$$