King Fahd University of Petroleum and Minerals
Department of Mathematics and Statistics
Math 260 (112) - Quiz II

Name: _____ ID: _____ Serial No.: _____

1. Find a sequence of elementary matrices whose product is the inverse of $A = \begin{bmatrix} 1 & 2 \\ 3 & 8 \end{bmatrix}$

2. Use Gauss-Jordan eleimination method to find the general solution of the system

$$x + y + z + w = 2$$
$$x - 2y + 5w = 7$$
$$3x + 2y + 4z - w = 3$$