

King Fahd Univ. of Petroleum and Minerals
Faculty of Sciences
Department of Mathematical Sciences

QUIZ No. 2
(MATH. 260-053 Sections 2 and 3)

Name:
ID:

Prob. 1

Solve by Gauss-Jordan method

$$\begin{cases} 2x_1 + 7x_1 - 10x_1 - 19x_1 = 13 \\ x_1 + 3x_1 - 4x_1 - 8x_1 = 6 \\ x_1 + 2x_1 + x_4 = 3 \end{cases}$$

Prob.2

Find the inverse of the following matrix using the adjoint matrix

$$\begin{pmatrix} 3 & 4 & -3 \\ 3 & 2 & -1 \\ -3 & 2 & -4 \end{pmatrix}$$