

King Fahd Univ. of Petroleum and Minerals  
Faculty of Sciences  
Department of Mathematics and Statistics

QUIZ No. 2  
(MATH. 131-122 Section 3)

**Name:**

**ID:**

**Prob. 1**

Solve the system using matrix equivalence

$$\begin{cases} w + x + y + 2z = 4 \\ 2w + x + 2y + 2z = 7 \\ w + 2x + y + 4z = 5 \\ 3w - 2x + 3y - 4z = 7 \\ 4w - 3x + 4y - 6z = 9 \end{cases}$$