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

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

Name:
ID:

Prob. 1
Find a basis for

$$V = \Big\{(x, y, z) \in R^3 : y = 3x - 2y\Big\}$$

Prob.2
Find the solution of

$$\begin{cases} y'' + 2y' + y = 0 \\ y(0) = 5 \\ y'(0) = -3 \end{cases}$$