## $\begin{aligned} \textbf{KFUPM} - \textbf{Department of Mathematics and Statistics} - \textbf{Term 121} \\ \textbf{MATH 260} \\ \textbf{QUIZ \# 4 Code 1} \ (\textbf{Duration} = 20 \ \textbf{minutes}) \end{aligned}$

NAME:	ID:			Section:			
Exercise 1 (5 points)	Find a general solution of the system $Y'=AY$ , where $A=$	-		4			

Exercise 2 (5 points) Solve the system Y' = AY, where  $A = \begin{pmatrix} 2 & -2 \\ 2 & 2 \end{pmatrix}$ 

## $KFUPM-Department of Mathematics and Statistics-Term 121\\ \textbf{MATH 260}\\ \textbf{QUIZ \# 4 Code 2} \ (Duration=20 \ minutes)$

NAME:	ID:		Se	ection:	
Exercise 1 (5 points)	Find a general solution of the system $\ensuremath{Y'}=A\ensuremath{Y}$ , where $\ensuremath{A}=$	1	1		
		1	3	3	

**Exercise 2** (5 points) Solve the system Y' = AY, where  $A = \begin{pmatrix} 3 & -2 \\ 2 & 3 \end{pmatrix}$