

NAME: _____ ID: _____ Section: _____

Exercise 1 (10 points) Use the variation of parameters to solve the system $X' = \begin{pmatrix} 1 & 1 \\ 1 & 1 \end{pmatrix} X + \begin{pmatrix} t \\ 1 \end{pmatrix}$

KFUPM – Department of Mathematics and Statistics – Term 152

MATH 202

QUIZ # 6 Code 2 (Duration = 20 minutes)

NAME: _____ ID: _____ Section: _____

Exercise 1(10 points) Use the variation of parameters to solve the system $X' = \begin{pmatrix} 2 & 1 \\ 1 & 2 \end{pmatrix} X + \begin{pmatrix} 1 \\ t \end{pmatrix}$