

January 15,2010

QUIZ#3 Math202, sec 08

Net Time Allowed: 25 minutes

Name:

ID #:

section:

Problem:

Use **variation of parameters** method to solve the nonhomogeneous system:

$$X' = \begin{pmatrix} 1 & 2 \\ 1 & 2 \end{pmatrix} X + F(t)$$

Where

$$F(t) = \begin{pmatrix} t \\ t \end{pmatrix}$$

solution: