KFUPM/ Department of Mathematics & Statistics MATH 260-03/ Quiz 4

Name and ID#:

Serial#:

1. Find a particular solution of the system x' = -16y, y' = x satisfying the initial conditions x(0) = 1, y(0) = -1

2. Solve the system Y' = AY where $A = \begin{bmatrix} 2 & 8 & 0 \\ -1 & -2 & 0 \\ 0 & 0 & 1 \end{bmatrix}$