## KFUPM/ Department of Mathematics & Statistics/ 161/ MATH 260-06/ Quiz 4

Name: ID #: Serial #:

1. Solve the system:  $x' = \frac{1}{2}y$ , y' = -8x

2. Solve the system X' = AX where  $A = \begin{bmatrix} 3 & 1 & 1 \\ -5 & -3 & -1 \\ 5 & 5 & 3 \end{bmatrix}$ , given that 3 is an eigenvalue of A.

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