KFUPM/ Dept. of Mathematics & Statistics MATH 202-15/ Quiz 4

ID #: Name:

1. Solve the system Y' = AY where $A = \begin{pmatrix} 3 & -1 \\ 1 & 1 \end{pmatrix}$.

2. Find e^{At} if $A = \begin{pmatrix} 2 & 4 \\ -1 & -2 \end{pmatrix}$.