

QUIZ 9 FOR CALC4 ON APR. 14, 2015

Name: _____ RUID: _____

Email: _____

1. (2 pt) Convert the higher order ODE $y'' - 5y' + 6y = 0$ into a first order system of linear ODEs.

2. (5 pt) Solve the linear system you found in Problem 1.

3. (3 pt) Solve the linear system

$$\vec{x}' = \begin{bmatrix} 1 & 2 \\ -1 & 3 \end{bmatrix}$$