

QUIZ 9 FOR CALC4 ON APR. 14, 2015

Name: \_\_\_\_\_ RUID: \_\_\_\_\_

Email: \_\_\_\_\_

1. (5 pt) Solve the linear system

$$\vec{x}' = \begin{bmatrix} 2 & 1 \\ -1 & 4 \end{bmatrix}$$

2. (5 pt) Draw the phase portrait for the following linear system

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