

QUIZ 8 FOR CALC4 ON APR. 23, 2014

Name: _____ RUID: _____

Email: _____

(1) (10 pt) Find the general solution of the system

$$\mathbf{x}'(\mathbf{t}) = \begin{pmatrix} 5 & -1 \\ 3 & 1 \end{pmatrix} \mathbf{x}(\mathbf{t}).$$

(2) (10 pt) Find the general solution of the system

$$\mathbf{x}'(\mathbf{t}) = \begin{pmatrix} -3 & 2 \\ -1 & -1 \end{pmatrix} \mathbf{x}(\mathbf{t}).$$