NAME:_____ ID:_____ Section: _____

Exercise 1 (7 points)

Solve the system $X' = \begin{pmatrix} 1 & -1 \\ 1 & 1 \end{pmatrix} X$

Exercise 2 (8 points)

Solve the system $X' = \begin{pmatrix} 2 & 0 & 0 \\ 0 & 2 & 2 \\ 1 & 0 & 2 \end{pmatrix} X$

NAME:_____ ID:_____ Section: _____

Exercise 1 (7 points)

Solve the system $X' = \begin{pmatrix} 2 & -2 \\ 2 & 2 \end{pmatrix} X$

Exercise 2 (8 points)

Solve the system $X' = \begin{pmatrix} 1 & 0 & 0 \\ 0 & 1 & 1 \\ 1 & 0 & 1 \end{pmatrix} X$

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Exercise 1 (7 points)

Solve the system $X'=\begin{pmatrix} 3 & 3 \\ -3 & 3 \end{pmatrix}X$

Exercise 2 (8 points)

Solve the system $X'=\begin{pmatrix} 3 & 0 & 0 \\ 0 & 3 & 1 \\ 1 & 0 & 3 \end{pmatrix}$