

NAME: \_\_\_\_\_ ID: \_\_\_\_\_ Section: \_\_\_\_\_

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**Exercise 1** (10 points)

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

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**Exercise 1** (10 points)

Solve the system  $X' = \begin{pmatrix} 1 & 0 & 2 \\ 1 & 3 & 1 \\ 2 & 0 & 1 \end{pmatrix} X$