1) Find the general solution of the system

a) \[ x' = \begin{pmatrix} 0 & 1 & 1 \\ 1 & 0 & 1 \\ 1 & 1 & 0 \end{pmatrix} x \]

b) \[ x' = \begin{pmatrix} 3 & -4 \\ 1 & -1 \end{pmatrix} x \]

c) \[ x' = \begin{pmatrix} 3 & -2 \\ 4 & -1 \end{pmatrix} x \]