QUIZ 10 - MATH 310   Friday, December 8

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Read each problem **very carefully** before starting to solve it and do only what is asked. Each problem is worth around 5 points. It is necessary to show **all** your work. Correct answers without explanations are worth 0 points. GOOD LUCK!!

1. [4 points] Find the general solution of the system

$$\boldsymbol{x}' = \begin{bmatrix} 3 & -4 \\ 1 & -1 \end{bmatrix} \boldsymbol{x}.$$

2. [6 points] Find the general solution of the system

$$x' = \begin{bmatrix} 1 & 1 & 1 \\ 2 & 1 & -1 \\ 0 & -1 & 1 \end{bmatrix} x.$$