QUIZ 9 - MATH 310 YOUR NAME:

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. [6 points] Solve the system

$$\boldsymbol{x}' = \left(egin{array}{cc} -1 & -2 \ 2 & -1 \end{array}
ight) \boldsymbol{x}.$$

2. [6 points] Solve the system

$$oldsymbol{x}' = \left(egin{array}{cc} 2 & -1 \ 1 & 4 \end{array}
ight) oldsymbol{x}.$$