

## HOMEWORK 9-PART B

1. Solve the following linear system  $x' = Ax$ .

$$A = \begin{pmatrix} 4 & 1 \\ -3 & 2 \end{pmatrix}.$$

2. Solve the following linear system  $x' = Ax$ .

$$A = \begin{pmatrix} 2 & -4 \\ 2 & 7 \end{pmatrix}.$$

3. Solve the following linear system  $x' = Ax$ .

$$A = \begin{pmatrix} 1 & -3 \\ 3 & 6 \end{pmatrix}.$$