

MATH 54 Homework 10

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Due Wednesday, August 2.

- Put the following matrices into Jordan canonical form.

1. $\begin{pmatrix} 1/3 & 4/3 \\ -1/3 & 5/3 \end{pmatrix}$

2. $\begin{pmatrix} -1 & -1 & 0 \\ -1 & -1 & -2 \\ 1 & 1 & 1 \end{pmatrix}$

3. $\begin{pmatrix} 1/2 & 1/2 & 3/2 \\ -1/2 & -1/2 & -3/2 \\ 0 & 0 & 0 \end{pmatrix}$

4. $\begin{pmatrix} 2 & -1 & 4 \\ -2 & 0 & -3 \\ -3 & 1 & -5 \end{pmatrix}$