Homework 6

due Apr 28, in class.

8.A

2, 3, 4, 10, 13

8.B

1, 2, 3, 8, 10

8.C

2, 4, 5, 6, 8, 9, 13, 20 *(use Jordan forms if helpful)*.

8.D

1, 2, 7.

not from text

Find a Jordan basis and the Jordan normal form for

$$A = \begin{pmatrix} 4 & -4 & -11 & 11 \\ 3 & -12 & -42 & 42 \\ -2 & 12 & 37 & -34 \\ -1 & 7 & 20 & -17 \end{pmatrix}$$