$5.1 \mathrm{pp} 280-281 \# 2,4,8,14,18,32,33$
$5.2 \mathrm{pp} 288-289 \# 2,10,16,18,20,31,32$----READ the paragraph before the statement of problem \#31, if you do not then you will definitely be stuck :), 35*
5.3 pp 295-297 \#1, 6, 10, 12, 20, 29, 37, 38

To find the characteristic polynomial in terms of the variable x :

```
syms x
A = sym([[1 1 0; 0 1 0; 0 0 1]);
polyA = charpoly(A,x)
This returns the characteristic polynomial: x x - 3x
```

