

# EE555 Advanced Linear Systems

## Homework #6

---

### **Homework Problems**

Due Wednesday, Mar. 16 at the beginning of class.

Chapter VI: Problems 2, 5, 6, 14, 16, 23

---

### **Presentation Problems**

Presenters will be chosen at random at the beginning of class, Friday, Mar. 11. Presentations will be held at Presentation Session #6, 3:50 – 5:50pm Thursday, Mar. 17.

Chapter VI:

Problem	3	_____
	4	_____
	7	_____
	9	_____
	10	_____
	17 (i), (iii), (v), (vii)	_____
	17 (ii), (iv), (vi), (viii)	_____
	18	_____
	20	_____
	21	_____

---

### **Notes**

For Prob. 6 – 13, a representation for the family might include such things as eigenvalues, projections, nilpotent matrices, and minimum polynomials. You should be as specific as possible.

---

### **Bonus Problems**

Chapter VI, Problems 24 – 38 except 30. Each first submitted correct solution will garner +3 points on the final grade. If several correct solutions to a problem are submitted at the same time, the +3 points will be divided up. There is no partial credit. This offer expires 5:00pm on Friday, Mar. 18.