Suggested Homework Problems for Poole 3rd Edition

Section	Numbers
1.1	1, 3, 5ab, 7, 9, 13, 17, 19, 21
1.2	3, 5, 11, 15, 17, 19, 25, 41, 43, 47, 49, 63
1.3	1, 3, 5, 7, 9, 13, 15, 19, 21, 23, 27, 29, 35, 37, 43
	Cross Product Parts I and II Problems and answers in the coursepack (after Section 1.3)
2.1	1, 3, 5, 15, 17, 21, 23, 27, 29, 33, 35 Correction to answers: #5 is nonlinear
2.2	1, 3, 7, 9, 11, 13, 23, 25, 27, 29, 33, 43, 45, 49
2.3	1, 3, 5, 7, 11, 13, 15, 23, 27, 29
2.4	5, 7, 15, 45a
3.1	1, 3, 5, 7, 9, 13, 15, 17, 19, 21, 35, 38a
3.2	1, 3, 5, 7, 9, 11, 13, 25, 35a, 37, 42
3.3	1, 5, 7, 9, 11, 19, 23, 31, 33, 35, 39, 43, 53, 55 #11: Use the inverse matrix to solve
3.4	1, 3, 7, 9
3.5	1, 3, 7, 11, 15, 17, 27, 29, 31, 35, 39, 41, 45, 51
3.6	1, 9, 11, 13, 15, 17, 21, 23, 25, 37, 39
4.1	1, 3, 5, 7, 11, 13, 15, 17, 23, 25, 37
4.2	1, 3, 11, 23, 27, 33, 35, 37, 45, 49, 51, 55, 57, 59, 63 #63: Use the adjoint formula
4.3	1, 3, 5, 9, 15, 22, 23
4.4	5, 7, 9, 13, 15, 17, 23

5.1	1, 3, 5, 7, 9, 13, 15, 17, 23 #23 Let Q be an orthogonal matrix Show that det Q equals plus or minus one
5.2	3, 7, 9, 13, 17, 21
5.3	1, 3, 5, 7, 9, 11, 13, 15, 17
5.4	1, 3, 5, 13a, 17, 19, 21, 23
7.3	7, 17, 21
	Complex Numbers Problems and answers in the coursepack (after Section 7.3)