Home-fun and reading schedule

Problem Set #6	due Wed 24 Feb	Morin: 4.2, 4.4, 4.6, 4.13, 4.16, 4.23(a) Reynolds: 32, 34 Extra credit: Morin 4.23(b)
Problem Set #7	due Wed 2 Mar	Morin: 4.26, 4.12 Reynolds: 29, 30, 35, 36 Jordan & Smith: Chapter 1: 1. (i)-(iii), 11, 15
Problem Set #8	due Wed 9 Mar	Morin: 4.8, 4.10, 4.30, 4.31 Reynolds: 31, 37, 49, 50, 51 Jordan & Smith: Chapter 2: 12, 13, 14
Problem Set #9	due Wed 23 Mar	Morin: 6.1, 6.7, 6.8, 6.20 Reynolds: 39, 41, 43, 45, 46, 47, 48, 53, 54

date	Reading due	Problem Sets due	topics
17-Feb	4.1, 4.2, JS* 1.1		Harmonic oscillation, phase space
19-Feb	4.3		damped H.O.
22-Feb	4.4		damped, driven H.O.
24-Feb	JS 1.2, 1.3, 1.4	Set #6	coupled, nonlinear equations
26-Feb	JS 1.5, 1.6, 1.7		phase space techniques
29-Feb	JS Ch 2		driven H.O., resonance
2-Mar	4.5	Set #7	coupled oscillations
4-Mar	6.1, 6.2		Lagrange's equations
7-Mar	6.3, 6.4, 6.5		Cyclic coordinates
9-Mar	6,6, 6.7, 6.8	Set #8	Constraint forces
11-Mar	Morin, Ch 15		Hamiltonian method
21-Mar	Goldstein, Ch 8		more Hamilton
23-Mar		Set #9	review
25-Mar			Test #2

* JS = Jordan and Smith "Nonlinear Ordinary Differential Equations" see web site.