HW 1:

PART I: Chapter 1:
HAND IN: 1.8, 1.9, 1.13, 1.27, 1.31, 1.39, 1.43, 1.47, 1.51, 1.53, 1.61

PART II: The following refer to the identities in handout in chapter 1 (Hand these in as well!).
1. Using properties 1.11 to 1.13, show 1.14 and 1.15 are true
2. Using properties 1.14 and 1.15, show 1.16 and 1.17 are true
3. Using properties 1.18 to 1.24, show 1.25 to 1.27 are true
4. Using properties 1.14 and 1.15, show 1.28 is true

OTHER IMPORTANT PROBLEMS (do not hand in!) 1.7, 1.15, 1.17, 1.20, 1.28, 1.29, 1.32 (parts a, b, c only), 1.40, 1.41, 1.42, 1.46, 1.48 (a, c), 1.49, 1.50, 1.52, 1.56, 1.58, 1.60, 1.62.

HW 2: Chapter 2

HAND IN: 2.4, 2.6, 2.13, 2.26, 2.40, 2.48, 2.59, 2.62, 2.72, 2.76, 2.90

OTHER IMPORTANT PROBLEMS (do not hand in!): 2.3, 2.5, 2.9, 2.10, 2.14, 2.16, 2.19, 2.32, 2.44 (a, c only), 2.45, 2.46, 2.47, 2.53, 2.57, 2.60, 2.64, 2.65-72, 2.77, 2.80, 2.85, 2.92, 2.97

HW 3:

PART I: Chapter 3:
PROBLEMS TO HAND IN: 3.15, 3.16, 3.22, 3.27, 3.29, 3.31, 3.36, 3.39, 3.41

PART II: Do the FIRST Midterm Exam of 1995 AND the FIRST midtem exam of 1997 (At the end of the class handouts no 1 OR download from the course website) and TURN IT IN!

OTHER IMPORTANT PROBLEMS (do not hand in!) 3.5, 3.18, 3.19, 3.20, 3.28, 3.32, 3.33, 3.38, 3.40, 4.54

HW 4:

PROBLEMS TO HAND IN: 4.8 (see example 1.12), 4.17, 4.18, 4.31 (write the equation of motion only), 4.34 (write the equation of motion only)

OTHER IMPORTANT PROBLEMS (do not hand in!): 4.14, 4.15, 4.22
HW 5:

Chapter 5:

PROBLEMS TO HAND IN: 5.1, 5.4 (use displacement of the center of gravity and rotation angle for coordinates), 5.8, 5.24, 5.25 (the two wires are not connected to each other), 5.9, 5.30, 5.32, 5.33

OTHER IMPORTANT PROBLEMS (do not hand in!) 5.17, 5.21, 5.26, 5.27

---

HW 6:

I. 5.34, 5.46, 5.47, 5.53 (No Friction on m1, no slippage on m2) 6.1, 6.2, 6.4, 6.6

II. Do the SECOND midterm exam of 1995 (At the end of the class handout no 1)

---

HW 7:

PART I:

Chapter 6:

PROBLEMS TO HAND IN: 6.17, 6.22, 6.24,

PART II: Hand in the following:

Do the Final Examinations of Fall of 1988 and Fall 1995. (At the end of the Handout no 1 OR download from the class web-site)

OTHER IMPORTANT PROBLEMS (do not hand in!) 6.4, 6.27, 6.28, 6.33.