Suggested Problems (as of 11/21/2014)

All problems out of 6th edition of Elementary Differential Equations with Boundary Value Problems by Edwards and Penney. These problems will be good practice, and you can choose to do more if you feel it is required. The lecture material and homeworks will be more representative of problems that I may ask on quizzes and exams.

§**1.4:** 3, 4, 5, 14, 27, 33, 34, 49

§**1.5:** 5, 6, 7, 11, 16, 20, 21, 22, 23, 24, 25, 29, 33, 36, 43(a), 44(a)

§**1.6:** 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 17, 19, 20, 21, 22, 23, 24

§**2.1:** 2, 3, 6, 9, 10, 11, 12, 13, 15, 16, 17, 18, 19, 23, 26, 29, 30, as many of 33-48 as you think necessary.

§**2.2:** 38-44

§**2.3:** 1, 2, 5, 6, 7, 8, 9, 21, 22, 23

§**2.4:** as many of 13-21 as you think necessary.

§**2.5:** 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 17, 21, 23, 25, 26, 31, 32, 33

§**2.6:** 1, 2, 4 (compute periods by finding the least common multiple of the different periods present in the solution), 5, 6, 7, 8, 9, 10, 12, 14, 15, 26, 27

§**4.1:** 2, 4, 5, 7, 8, 9, 10, 27, 28, 29, 30, 31, 32, 35

§**4.2:** 1, 3, 5, 6, 7, 10, 12, 13, 14, 15, 18, 19, 20, 23

§**4.3:** 5, 9, 10, as many of 11-22 as you think necessary, as many of 27-38 as you think necessary

§**4.4:** 3, 4, 7, 10, 16, 20, 22, 23

§**4.5:** 4, 6, 10, 14, 21, 22, 23, 24, 25, 32, 34, 37, 39

§**4.6:** 1, 2, 6, 7, 11, 14

§**5.1:** 1, 4, 5, 10

§**5.4:** as many of 1-25 as you think necessary