

## Homework for 22M:034, Fall, 2009

**Textbook:** Elementary differential equations and boundary value problems  
by W.E. Boyce and R.C.DiPrima (Ninth Edition).

- §1.1. 1, 4, 6, 11.
- §1.2. 1(a), 2(a), 4, 8, 14.
- §1.3. 2, 6, 7, 10, 12, 17.
- §2.1. 5, 9, 15, 17, 19, 33.
- §2.2. 4, 7, 9, 18, 33.
- §2.3. 2, 8, 13.
- §2.4. 2, 6, 8, 13.
- §2.5. 4, 5, 10, 15.
- §3.1. 1, 3, 5, 9, 12, 17, 21.
- §3.2. 3, 5, 9, 17, 21, 25, 29, 30.
- §3.3. 1, 3, 9, 12, 17, 22.
- §3.4. 2, 5, 12, 14.
- §3.5. 1, 4, 9, 13, 15.
- §3.6. 3, 5, 17, 29.
- §3.7. 1, 3, 7, 26.
- §3.8. 1, 4, 5.
- §4.1. 1, 3, 4, 7, 9, 11, 16, 23.
- §4.2. 1, 4, 7, 11, 15, 29.
- §4.3. 1, 9, 14.
- §4.4. 4.
- §6.1. 2, 3, 7, 11, 15.
- §6.2. 2, 4, 10, 13, 16, 23.
- §6.3. 1, 5, 9, 11, 13, 15.
- §6.4. 2, 5, 9, 11.
- §6.5. 1, 3, 6, 8.
- §6.6. 4, 6, 9, 13, 15.
- §7.1. 1, 4, 7, 11.
- §7.4. 4, 6.
- §7.5. 2, 5, 12, 15.
- §7.6. 1, 6, 9.
- §7.7. 2, 6.
- §7.8. 4, 7.
- §7.9. 1, 3.