Practice problems for sets and functions
(from the textbook)

1. **At the end of section 2.1:** 1, 5, 7, 8, 9, 10, 11, 18, 21, 22, 23, 25, 30, 34, 35, 37, 38, 39.
2. **At the end of section 2.2:** 3, 4, 16, 18, 29, 32-39, 49, 52.
3. **At the end of section 2.3:** 3, 7, 10, 11, 12 (a,b,c), 15, 20, 21, 22, 33, 69.
4. **At the end of section 2.4:** 9, 11, 12, 13, 16.
5. **At the end of section 2.5:** 1 (For part (d), use the fact that the interval [0,1] is uncountable), 2 (For part (d), use the fact that the set of real numbers is uncountable), 10, 11, 12, 13, 17, 18, 20, 22, 23, 24, 28,
6. **At the end of section 5.1:** 9, 10, 11
7. **At the end of Section 5.3:** 1, 4, 12, 13