Sturm-Liouville problems

1. page 163, problem 5.3.8
2. page 166, problem 5.4.1
3. page 175, problem 5.5.1 a, e
4. page 205, problem 5.8.8
5. page 215, problem 5.10.2 b

multi-d problems

6. page 278, problem 7.3.1 a, b