

Practice problems

The problems below are suggested practice problems for the midterm. This list of problems is by no means exhaustive: there can (and will) be problems on the midterm that are not necessarily similar to any of the problems below. This list below has been compiled purely for your reviewing convenience.

1. §1.3: 7, 29, 30
2. True/False exercises at the end of chapter 1: 3, 4, 5, 23, 37, 38, 45.
3. §2.1: 1, 2, 3
4. §2.2: 6
5. §2.3: 33 – 40, 56 – 59, 65, 67
6. §2.4: 12, 13, 37, 38, 42, 47, 53, 59, 67 – 75
7. True/False exercises at the end of chapter 2: 23, 25, 33, 36, 46, 49
8. §3.1: 26, 27
9. §3.2: 8, 11, 15, 17, 54
10. §3.3: 27
11. §3.4: 13, 15, 27, 37, 61, 69, 70, 71
12. True/False exercises at the end of chapter 3: 2, 3, 7, 17, 33
13. §5.1: 5, 27, 30

All exercises are from Bretscher's *Linear Algebra with Applications* (fourth ed.) unless otherwise noted.