```
1
```

[Exercise 5.2.3 of Lebl 2023]

2

[Exercise 5.2.4 of Lebl 2023]

3

[Exercise 5.3.1 of Lebl 2023]

4

[Exercise 5.3.2 of Lebl 2023]

5

[Exercise 5.3.8 of Lebl 2023]

6

[Exercise 5.3.9 of Lebl 2023]

References

Lebl, Jiri (July 11, 2023). Basic Analysis I: Introduction to Real Analysis, Volume I. version 6.0. URL: https://www.jirka.org/ra/realanal.pdf.