

# Multivariable Calculus Exercises

All the exercises are from Simon & Blume.

1. Any of Exercises 13.1-13.10.
2. Exercises 13.11-13.14.
3. Exercise 13.19.  
*Hint:* Use theorem 12.5 and the sequential definition of continuity.
4. Exercises 14.1-14.2.
5. Exercises 14.4-14.7. For the definition of elasticity see pp304-305.
6. Exercises 14.9-13.
7. Exercise 14.15.
8. Exercise 14.17.
9. Exercises 14.21-14.25.
10. Exercises 14.27-14.28.