
Solutions to Homework 1
for
Math 999: Introduction to Intermediate

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TODO LIST

This is a set of solutions, created by Clark Zinzow, to Homework 1 for Math 999: Introduction to Intermediate.

NOTATION:

We use the following non-standard notation:

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ACKNOWLEDGMENTS:

Thank you to the following people for helping me, in some way, with these solutions:

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1. EXERCISE 1

Proof.

□

2. EXERCISE 2

Proof.

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3. EXERCISE 3

Proof.

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4. EXERCISE 4

Proof.

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5. EXERCISE 5

Proof.

□

6. EXERCISE 6

Proof.

□

7. EXERCISE 7

Proof.

□

8. EXERCISE 8

Proof.

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9. EXERCISE 9

Proof.

□

10. EXERCISE 10

Proof.

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11. EXERCISE 11

Proof.

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12. EXERCISE 12

Proof.



REFERENCES

- [Kn97] Donald E. Knuth, *The Art of Computer Programming: Volume 1 - Fundamental Algorithms*, Addison-Wesley Professional, 3rd Edition, 1997.
- [Fol99] Gerald B. Folland, *Real Analysis: Modern Techniques and Their Applications*, Wiley, 2nd Edition, 1999.