Numerical Analysis — FMNF05 — Tenta 2019/03/21

The exam lasts 4 hours and has 3 sections in 4 pages.
A minimum of ?? points out of the total ?? are required to get a passing grade.

Justify all your answers and write down all steps (unless it is a True/False or Yes/No type question). Correct answers without justification will receive a 0

During the exam you are allowed one page (both sides) with hand-written notes.
No calculators, textbooks, lecture notes or any other electronic or written material is allowed.

Section A. (10 pts) True/False or Yes/No Section.
No justification needed. Just write True or False or Yes or No after each question.

A.1 ( T / F )
A.2 ( T / F )
A.3 ( Y / N )
A.4 ( T / F )
A.5 ( T / F )
A.6 ( T / F )
A.7 ( Y / N )
A.8 ( T / F )
A.9 ( Y / N )
A.10 . ( T / F )
Section B. (20 pts) Very short explanation! Some solving/plotting may be needed. One to two sentences in some cases should be sufficient to explain your reasoning.

B.1
B.2
B.3
B.4
B.5
B.6
B.7
B.8
B.9
B.10
Section C. Problems in pages 3 and 4 must be worked out completely to receive any credit.

1. (4p)

2. (5p)

3. (5p)

4. (4pts)
   (a)
   (b)

5. (4pts)
   (a)
   (b)
   (c)
6. (4p)
   1.
   2.

7. (4pt)

8. (4pts)
   a)
   b)
   c)
   d)

9. (4pts)
   (a)
   (b)

10. (3pts)