Math 1314
Homework 2

Enter your answers in the EMCF titled "Homework 2" at casa.uh.edu before the due date/time. In the problem numbers given below, AA.1.2 refers to Appendix A, Section 1, Problem 2. Similarly, problem number AB.3.6 refers to Appendix B, Section 3, Part 6, and problem number 1.4.18 refers to Chapter 1, Section 4, Problem 18. The problems can be found in the online text.

1. **Problem AA.1.2**

   A. -56
   B. -13
   C. -21
   D. -64
   E. -72

2. **Problem AA.1.14**

   A. 932
   B. 52
   C. 438
   D. 504
   E. 450

3. Problem AA.2.6, part B; set up a table in GGB using the start value and increment that are given and find the first three y values.

   A. -0.75, 0.5349, -0.3478
   B. -0.75, -0.5349, -0.3478
   C. 1, 1.3333, 8,3333
   D. 1, 1.3333, -8,3333
   E. 0.75, 0.5349, 0.3478

4. Problem AA.2.8, part B; set up a table in GGB using the start value and increment that are given and find the first three y values.

   A. 1.0561, -0.2718, 3.9769
   B. 4, 1.5811, 0.9864
   C. 4, 1.5811, 0.77302
   D. 0, 1, 2
   E. 2.5284, -21.61. 3.9768
   F. 4, 2.2649, 2.6576

5. Problem AA.4.8, part A

    A. 1.1471

    B. $\dfrac{5}{3}$

    C. 1.5811

    D. 1

    E. 7

6. Problem AA4.8, part B

    A. (-4, 0)

    B. (4, 0)

    C. (-3, 0)

    D. (3, 0)

    E. no zeros

7. Problem AA4.8, part C

    A. not listed

    B. (-0.0278, 4.0139)

    C. (0. 278, 4.0139)

    D. (0, 4)

    E. (0.0278, 4.0139)

8. Problem AA.4.8, part E

    A. (-1.3938, 0.6062), (-0.85, 1.15), (0.499, 2.499)

    B. (0.5, 2.5)

    C. (-1.5, 0.6666), (-0.75, 1.345), (0.4, 2.65)

    D. (-1.3938, 0.6062), (0.85, 1.15), (0.499, 2.499)

    E. (0.499, 2.499)

9. Problem AB.3.6, part A, find $f(3.87)$

    A. 725

    B. 661.0549

    C. 265.3579

    D. 729.0422

    E. 736.1478

10. Problem AB.3.6, part B

    A. (-2.75, 0), (-0.5, 0), (0.75, 0), (1.25, 0)
    B. (-2.7321, 0), (-0.5486, 0), (0.7321, 0), (1.2153, 0)
    C. (-2.7321, 0), (0.5486, 0), (0.7321, 0), (1.2153, 0)
    D. there are no zeros
    E. (-2.8144, 0), (1.566, 0)