**Chapter 2 Homework Solutions**

MTH 135

Fall 2013

Review Questions:

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6. indexing and floating-point instructions because it heralded the end of the interpretive era, at least for scientific computing

7. 1954

8. scientific computations

9. IBM 704 instructions

10. independent compilation of subroutines

11. logical loop control flow statements

12. Fortran 90

13. Fortran 77

14. they were concerned with natural language processing

15. MIT by John McCarthy and Marvin Minsky

16. Scheme is a small sized language with simple syntax and semantics while Common LISP has a large number of data types and structures.

17. Scheme

18. GAMM (German for Society for Applied Math and Mechanics) and ACM (Association for Computing Machinery)

19. ALOGOL 60

20. input/output statements with formatting

21. BNF (Backus-Naur form)

22. English or Flowmatic

23. 1959

24. hierarchical data structures

25. Department of Defense

26. beginners or liberal arts students

27. BASIC is easy for beginners to learn and its smaller dialects can be implemented on computers with very small memories.

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31. user defined data types

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33. ALGOL-W

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35. lack of complete type checking

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45. the programming of embedded consumer electronic devices, such as toasters, microwave ovens, and interactive TV systems

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48. rectangular arrays

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