Sheet 0

1. Give a definition/an example for each of the following:
   a) Algorithm, Program, Programming, Software, Hardware
      *Section 0.1 (Page 2 starting from "We begin with the most fundamental ..." to the end of the page)*
   b) Gear based Computing Machine
      *Section 0.2 (Page 4 starting from "In the time period after the Middle Ages ..." to the end of the paragraph)*
   c) Data Storage/Representation Method
      *Section 0.2 (Page 5 starting from "The idea of communicating an algorithm via holes ..." to "(or cardboard).")*

2. Give a brief description of one of the early computing devices.
   *Section 0.2 (Page 4 starting from "Today's computers have an extensive ..." to the end of the paragraph)*
   *Figure 0.3*

3. Give a brief description of one of the early desktop computers.
   *Section 0.2 (Page 7 starting from "A major step toward popularizing ..." to the end of the paragraph)*
   *or*
   *Section 0.2 (Page 8 starting from "In 1981, IBM introduced its first ..." to the end of the paragraph)*

4. Demonstrate the central role of algorithms in computer science.
   *Section 0.3 (Page 10 starting from "Today, computer science has established ..." to the end of the page)*
   *Figure 0.5*