1. If the last digit of the Avis rental car number 3960040 is mistyped, can the check digit detect the error? Explain.

2. A UPC code is reported to read 0-48000-03254-5, but the second digit is read in error. Can the correct second digit be determined?

3. A bank identification number is reported to be 017000250, but your source reports that the final digit is difficult to read and may be wrong. Is this a viable bank identification number? If not, can the correct final digit be determined?

4. Is 0-1370-2990-X a viable ISBN number? If not, can the second digit be changed to produce a viable ISBN number?

5. Why are there different methods of creating check digits?

6. Is the number 0-499290-3 a viable UPC Version E number? If not, change the final digit to produce a viable UPC Version E number.

7. Determine the check digit for an airline ticket with number 76288305230.
Answer Key - Chapter 16

1. Yes. It is the check digit and will be wrong.
2. It should be 8.
3. No. It is 5.
4. Yes.
5. There are different requirements and different costs for error in various codes.
6. Yes.
7. 4