Errata for the First Printing

p. iii

p. 34
Replace “<math>” with “<cmath>” on line -10 (the 10th line from the bottom of the page).

p. 35
Insert the following new line after line 15:
using namespace std;
Replace “c = 1.” with “c = 1 (on a UNIX workstation)” on line 25.
Delete line -11 and line -10.

p. 37
Replace “<math>” with “<cmath>” on lines -13 and -6.

p. 39
Replace “<math>” with “<cmath>” on line -3.

p. 41
Replace “crashes” with “fails” on lines 1 and 14.
Replace “Fahrenheit” with “Fahrenheit” on lines -14, -11, and -2.
Replace “far” with “fahrenheit” in each of 7 occurrences on lines -15 through -2.
Replace “cel” with “celsius” in each of 7 occurrences on lines -15 through -2.

p. 42
Insert the following newline after line -6:
double y = pow(10.0, n);
Replace “pow(10,n)” with “y” on line -5.
Replace “round” with “rounded” on line -4.
Replace “(round)/pow(10,n)” with “(rounded)/y” on line -3.

p. 45
Replace “cout << y <<” with “cout << y << “”” on line 15.

p. 62
Replace “sqrt =” with “y =” on line -4.

p. 63
Insert the following new line after line 13:
double sum=0.0;
This forces the solution to Problem 3.20 to shift to page 64.

p. 64
Adjusted to accommodate the change on page 63.

p. 65
Delete “, gcd” from line 2.

p. 71
Replace “main()” with “int main()” on line 2.
Delete line 9.

p. 72
Replace “<assert>” with “<cassert>” on lines 4, 9, and 27.

p. 73
Delete line 9.

p. 74
Delete line -8.

p. 75
Delete line 11.

p. 79
Replace “931.70732” with “931.707” on line -17.

p. 79
Replace “8.120601” with “8.1206” on line -17.

p. 81
Replace “perm” with “comb” on line -25 (line 6 of the solution to Problem 4.38).

p. 85
Replace page 27 with the following new line
( // see the solution to Problem 3.12 on page 62

p. 86
Replace “(int n)” with “(int n, int k)” on lines 8 and 15.

p. 85
Replace “(100*x)” with “(100*x + 0.5)” on line 19.
Replace “no” with “dollars and no cents” on line -3.
Replace “cout” with “else cout” on line -2.

p. 88
Replace “sqrt[10.0*i]” with “sqrt(10.0*i)” on line -14.

p. 93
Replace “!(cin.eof())” with “(grade >= 0)” on line -17.

p. 104
Replace “(int i=n;” with “(i=n;” on line 14.
Insert the following new line above line 14:

int i;

p. 105
Replace “(i=0;” with “(int i=0;” on line 25.

p. 105
Replace “(i=0;” with “(int i=0;” on line -21.
Replace “(i=SIZE-k;” with “(int i=SIZE-k;” on line -3.

p. 106
Delete lines -16 through -14.
Replace “x[n-1]” with “x[q*n/5-1]” on line -13.
p. 107  Replace “(j=1;” with “(int j=1;” on line -5.
p. 108  Replace “(i=1;” with “(int i=1;” on line 5.
        Replace “(i=2;” with “(int i=2;” on line -12.
p. 120  Insert the following new line after line 7:
            using namespace std;
            Replace”200 for the position and 17 for the length.” with “200 for pos and 17 for len.” on line -4.
p. 123  Replace “int location” with “streampos location” on line -9.