

CPS 171 Answers to Exam Review Questions for Test 1 that are not in the book

Chapter 2

15. Missing ">" in <iostream. Missing "=" in constant string declarations instead of ":". Also, "constant" should be "const", and the assigned string values are missing double quotes around all values, the int main declaration is missing () after the "main" keyword, the "character initial" declaration should be "char initial", the statement "name = Martin + Luther + King" should be name = FIRST + MID + LAST", LAST can not be reassigned a value, given that it is a constant, the "cout <<" statement should be "cout <<", and the 'Name = ' output string should be "Name = ", the "cout << mid" statement needs a terminating ";

Chapter 3

4. a. 3 b. 4 c. 37 d. 162 e. 23 f. 5
5. a. $a = 5b = 2$
b. Sum: 7
c. Sum: 7
d. 2 feet
8. a. .235 b. .166 c. 44.2 d. 8 e. 0 f. 21 g. 8 h. 5 i. 1 j. 3
11. AB
??413? is? the? value? of? n
???21.8? is? the? value? of? y
12. a. x is 14.38 b. x is?? 14.38 c. x is 14.38 d. x is? 14.383
13. a. 26 b. reparation c. 0 d. 15 e. 15 f. 15

Chapter 4

4. The >> operator skips leading whitespace characters (if any), whereas the get function does not. The get function inputs the next character waiting in the input stream, even if it is a whitespace character.
10. String address contains the string "40". The reader marker position is left pointing to the blank character before character 'T' in "Tall".
12. An input prompt is a message printed out directly before an input statement, telling the user what kind of input is expected by the input statement. Echo printing refers to printing out the values of variables directly after they are read, in order to verify that the variables contain the proper values.

Chapter 5

1. a. T b. T c. T d. F
4. a. 10
10
b. The value of x is 3
c. 3
7
6
z

Despite the indentation, the final output statement is not part of the else-clause (or even part of the If statement).