

CSCI 1370

Instructor: Emmett Tomai

The point of these exercises is to allow you to evaluate whether you have learned the material from the past week, and to direct you in additional studying outside of class. These are exactly the types of questions that will show up on tests. My advice is to figure it out on paper, using your book or other resources, and then verify your answer by running the code. If you really want to learn the material, try variations and make sure you understand why the behavior changes the way it does.

Review exercises: arithmetic, input, output and conditional statements

1. Evaluate the following expressions:

- a. $17/4$ 4
- b. $2 - 9 \% 6$ -1
- c. $21.0/4$ 5.25
- d. $7 + 4.0 * 5 - 3$ 24.0
- e. $7 + 4.0 * (5 - 3)$ 15.0

2. Complete the following function by writing C++ statements that correspond to the description in each comment in the code. Make sure all output to the screen has newlines after it.

```
void letters()
{
    // declare a variable to hold a character and initialize it
    // to the letter 'H'
    char ch = 'H';

    // print "The value of the variable is <variable>"
    cout << "The value of the variable is " << ch << endl;

    // prompt the user to enter a value
    cout << "Please enter a character: ";

    // store whatever character the user types in your variable
    cin >> ch;

    // print "My <variable> is better than your <variable>." to the screen
    cout << "My " << ch << " is better than your " << ch << "." endl;

    return 0;
}
```