Homework 2

1. The information that should specified in the block comment at the top of a program should be the programmer’s name, the date of the current version of the program, and a description of what the program does.
2. income, c3po, item
3. An assignment is attempted on PI which is a non-mutable constant.
4. G would be a good choice for a name of a constant macro because of its all caps name, therefore showing it represents a constant. MAX\_SPEED is an even better choice for a name of a constant macro because of the previous reasons listed and additionally because it implies what the meaning of the variable in the name of it.
5. int lengthOfYard, widthOfYard;

int lengthOfHouse, widthOfHouse;

int rate = 2;

printf(“Enter the length and width of your yard, then the length and width of your house:”);

scanf(“%d%d%d%d”, &lengthOfYard, &widthOfYard, &lengthOfHouse, &widthOfHouse);

int difference = (lengthOfYard \* widthOfYard) – (lengthOfHouse \* widthOfHouse);

double timeToComplete = difference / rate;

printf(“It will take %.1lf seconds to mow your lawn”, timeToComplete);

return 0;

1. print(“Average pH of citrus fruits: %lf“, avg\_citrus\_pH);
2. int, double, char
3. int z;

printf(“Enter an integer>”);

scanf(“%d”, &z);

int mz = (z \* 2) – 10;

printf(“%d”, mz);