1. Assume that the following variables are defined:
int age;
double pay;
char section;
Write a single cin statement that will read input into each of these variables.
cin >> age >> pay >> section;
5. Write C++ expressions for the following algebraic expressions:
A = 12x
z = 5x + 14y + 6k
y = x^4
g = h + 12 / 4k
c = a^3 / b^2k^4

12. Write a cout statement so the variable divSales is displayed in a field of 8 spaces, in fixed point notation, with a precision of 2 decimal places. The decimal point should always be displayed.
cout << fixed << showpoint << setprecision(2);
cout << setw(8) << divSales;

18. The _____ library function returns the exponential function of a number.
exp
y = exp(x)

21. The _____ library function returns the base-10 logarithm of a number.
~ log10
log10
y = log10(x)

27. Write a pseudocode algorithm for a program that asks the user to enter a golfer's score for three games of gold, and then display the average of the three scores. After convert it to a complete C++ program:

Main.cpp
```
#include <iostream>
#include “gold.h”
Int main()
{
   Golf g;
   g.getScores();
   Cout << “Average is: ” << g.getAverage() << endl;
}
```

Golf.cpp

```
#include <iostream>
#include “golf.h”
Using namespace std;

Void Golf::getScores();
{
   Cout << “Enter Score 1: ”
   Cin >> score1;
   while(score1 < 0)
   {
      cin.clear();
      cin.ignore();
      Cout << “Please enter a valid score: ”;
      Cin >> score1;
   }
   Cout << endl;
   Cout << “Enter Score 2: ”
   Cin >> score2;
   while(score2 < 0)
   {
      cin.clear();
      cin.ignore();
      Cout << “Please enter a valid score: ”;
      Cin >> score2;
   }
   Cout << endl;
   Cout << “Enter Score 3: ”
   Cin >> score3;
   while(score3 < 0)
   {
      cin.clear();
      cin.ignore();
      Cout << “Please enter a valid score: ”;
      Cin >> score3;
   }
}

Int Golf::getAverage();
{
  Int total = score1 + score2 + score3;
  Return total/3;
}
```

Golf.h

```
Class Golf
{
   Private:
   Int score1, score2, score3;
   Public:
   Void getScores();
   Int getAverage();
}
```