Computer Science C++ Review Worksheet 2 (Class 12)

1. Find errors in the following, rewrite the corrected form with each correction underlined:

		Corrected Code (if so required)

(a)	`#include <iostream.h>`
	`void main()`
	`{`
	`  float data1=12.5;`
	`  int data2=5;`
	`  switch(data1+data2)`
	`  {`
	`  case 5 and 7:cout<<"Less than 10";`
	`  break();`
	`  case 12:cout<<"Mare than 10";`
	`  break();`
	`  case 10:cout<<"Exactly 10";`
	`  break();`
	`  default:cout<<"I dont know"<<endl;`
	`  }`
	`}`	

(b)	`#include <iostream.h>`
	`Void Main()`
	`{`
	`  int Opt1=9, Opt2=90;`
	`  char S[2,2]=;`
	`  if Opt1<=9`
	`  cout<<Opt1;`
	`  for (int I=0;I<2;int I+++)`
	`  for (int J=0;int J<2;J+++)`
	`  {`
	`  if (Y==0)`
	`  S[I,J]='*';`
	`  else`
	`  S[I,J]='#';`
	`  cout<<S[I][J]<<endline;`
	`  }`
	`}`	

(c)	`#include <iostream.h>`
	`const int max;`
	`void main()`
	`{`
	`  int p,count;`
	`  cout<<'Enter  Count:';cin>>count;`
	`  cout<<'Enter p:';cin>>p;`
	`  if (p<0)`
	`  cout<<"Negative  Number`
	`  "; cin>>p;`
	`  else`
	`  cout<<"P is OK";`
	`  if p==5`
	`  count*p=p;`
	`  max+=5;`
	`  cout<<"5 more than max="<<max<<endl;`
	`  cout<<"Count="<<count<<endl;`
	`  cout<<"p ="<<p<<endl;`
	`}`	

2. Find the output of the following programs (assuming desired header file is/are included):

	Program	Output

(a)	`int Good(int &P1,int P2)`
	`{`
	`  int T=P2+P1;`
	`  P1*=2; P2+=P1;`
	`  cout<<T++<<'&'<<P1<<'&'<<P2<<endl;`
	`  return T;`
	`}`
	`void Better(int Q1,int &Q2)`
	`{`
	`  int T=10;`
	`  Q2=Good(Q1,T);`
	`  cout<<T<<'#'<<Q1<<'#'<<Q2<<endl;`
	`}`
	`void Best(int R1,int R2)`
	`{`
	`  R1+=R2;  R2*=5;  Better(R1,R2);`
	`  cout<<++R1<<'*'<<R2++<<endl;`
	`}`
	`void main()`
	`{`
	`  int N1=6,N2=8;`
	`  Best(N1,N2);`
	`  cout<<N1<<'$'<<N2<<endl;`
	`}`	

(b)	`void main()`
	`{`
	`  int  A[]={10,18,32,15,44},Sum=0;`
	`  for (int C=0;C<5;C++)`
	`  {`
	`  if  (A[C]%3)`
	`  A[C]+=3; else`
	`  if (!A[C]%4) A[C]-=4;`
	`  else A[C]=5;`
	` }`
	` for (C=0;C<5;C++)`
	` {`
	`  Sum+=A[C]; cout<<C<<":"<<A[C]<<"-`
	`  "<<Sum<<endl;`
	` }`
	`}`	

(c)	`int G=15;`
	`void main()`
	`{`
	`  int G=10;`
	`  for (int I=0;I<2;I++)`
	`  {`
	`  cout<<"Inner:";int G=7;`
	`  cout<<G*I<<" Outer:"<<::G++<<endl;`
	`  }`
	`  cout<<"Middle:"<<G<<'#'<<::G<<endl;`
	`  G+=::G;`
	`  cout<<G<<'+'<<++::G<<endl;`
	`}`	