Question 1

a=3

b=9

c= 2

d=-2

e=10.6

f= -1.333

Question 2

1. float v, r;
2. double x=3.1415926;
3. cin >> r;
4. v=4/3\*x\*(r\*r\*r);
5. cout << “Volume of sphere = “ << v <<endl;

question 3

Output=

0

1

0

The value of q is 1

The value of x is 2

Question 4

Switch (grade)

{

case ‘A’:

case ‘a’:

price=50.00;

break;

case ‘B’:

case ‘b’:

price=30.00;

break;

case ‘C’:

case ‘c’

price = 15.00;

break;

default :{

cout << “Invalid grade.”;

}

}

//system (“pause”);

return 0;

}

Question 5

i)#include <iostream>

Using namespace std;

Int main{

Float call,rate,minute;

Cin>>call;

If(call<7){

Rate=0.12;}

Else if(call<19){

Rate=0.55;}

Else if(call<24){

Rate=0.35;}

ii)else{

cout<<”Your call time invalid”;

iii)

int hour=int(call);

min=(hour-call)\*100;

if(min>60){

cout<<”Yi=ou must enter minute less than 59;

Question 6

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Mark | tolmark | testno | average | output |
| 95 | 95 | 1 | - | - |
| 35 | 130 | 2 | - | - |
| -1 |  | - | - | Invalid input |
| 70 | 200 | 3 | - | - |
| 65 | 265 | 4 | 66.25 | 66.25 |
| - | - | - | - | - |

Question 7

While\*x>0)

{

cout << x << “ ”;

x=x-1

}

Q8

z=x/sin(rads)

int(z)

y=x/tan(rads)