1)

#include <iostream>

using namespace std;

int main()

{

double b1=1, b2=2, cup; int n;

cin>>n;

cout<<b1<<" "<<b2<<" ";

for (int i=3; i<=n; i++){

cup=b2;

b2=b2/(b1+1);

b1=cup;

cout<<b2<<" ";

}

return 0;

}

2)

#include <iostream>

using namespace std;

int main(){

double x, sum=0, a; int n;

cin>>x;

cin>>n;

a=sum=x\*x\*x;

for (int i=2; i<=n; i++){

a\*=i\*x\*x;

sum+=a;

}

cout<<sum;

return 0;

}

3)

#include <cmath>

#include <iostream>

INCLUDE <IOMANIP>

using namespace std;

int main()

{

double a, x, sum=0, res; int i=2;

cin>>x;

cin>>a;

sum=res=2\*x\*x\*x\*x/24;

while (res>=a){

i++;

res\*=x\*x/(2\*i\*(2\*i-1));

sum+=i\*(i-1)\*res;

}

cout<<sum;

return 0;

}