#include<iostream>

#include<cmath>

#include <time.h>

#include <cstdlib>

int main(){

srand (time(0));

long double f ;

long double b=3\*(M\_PI/2),a=M\_PI;

long long n=1000000;

long double I=0; int k=0;

do{

long double r=(((double)(rand() % 100000000) + 1) / 100000001)+a;

f=sin(r);

I+=f;

k++;

}

while(k<=n);

std:: cout<<(I/k)\*(b-a);

}