实验2

1.

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2.

#include <iostream>

using namespace std;

int main()

{

double a,b,c;

cout<<"输入两条直角边:";

cin>>a>>b;

c=sqrt(a\*a+b\*b);

cout<<"斜边长c:"<<c<<endl;

system("pause");

return 0;

}

3.

#define PI 3.14

#include <iostream>

using namespace std;

int main()

{

float x, y,s;

cin >> x >> y;

if (x\*x+y\*y>=2\*2&&x\*x+y\*y<=4\*4)

cout<<PI\*4\*4-PI\*2\*2;

else

cout <<0<<endl;

system("pause");

return 0;

}

4.

#include <iostream>

using namespace std;

int main()

{

int a,b,c,min;

cin>>a>>b>>c;

min = a < b ? a : b;

min = min < c ? min : c;

cout << "min=" << min << endl;

system("pause");

return 0;

}

5.

#include <iostream>

using namespace std;

int main()

{

char c1 = 'f',c2 = 'l',c3 = 'y';

c1 = c1 + 3 > 'z' ? c1 + 3 - 26 : c1 + 3;

c2 = c2 + 3 > 'z' ? c2 + 3 - 26 : c2 + 3;

c3 = c3 + 3 > 'z' ? c3 + 3 - 26 : c3 + 3;

cout << c1 << c2 << c3;

system("pause");

return 0;

}

6.

#define PI 3.14159

#include <iostream>

using namespace std;

int main()

{

double x,y;

cin>>x;

y=fabs(x\*x-7\*x)+sqrt(3\*x\*x+PI/2\*sin(PI\*67/180));

cout<<"y="<<y<<endl;

system("pause");

return 0;

}