习题2

一、

1.B 2.C 3.D 4.C 5.D 6.C 7.C 8.C 9.B 10.B

二、

1．(x+y)!=(a+b)

2．pow((log(10)+x\*y),3)

3．sin(w\*3.14)/(cos(45\*3.14/180)+3\*pow(x,y))

4．exp(3)+sqrt(2\*x+3\*y)

5．fabs(x-y)+(x+y)/(3\*x)

6．1/(1/r1+1/r2+1/r3)

三、

1．(a>d)!=(b>d)

2．x % 5 == 0 || y % 5 == 0

3．x<0&&y<0

4．d <= 100 && d % 2 == 0

5．(int)(x\*100+0.5)/100.0

6．n%k==0?n/k : n/k+1

四、

1.

#include <iostream>

using namespace std;

int main()

{float r,h,v;

cin>>r>>h;

v=3.1416\*r\*r\*h;

cout<<v;

system("pause");

return 0;

}

2.

#include <iostream>

using namespace std;

int main()

{

float a,b,c,ave,min;

cin>>a>>b>>c;

ave=(a+b+c)/3;

min=(a<b)?a:b;

min=(c<min)?c:min;

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

system("pause");

return 0;

}

3.

#include <iostream>

using namespace std;

int main()

{int x;

int c1,c2,c3;

cin>>x;

c1=x/100;

c2=x/10%10;

c3=x%10;

x=100\*c3+10\*c2+c1;

cout<<x<<endl;

system("pause");

return 0;

}

4.

#include <iostream>

using namespace std;

int main()

{int year,x;

cin>>year;

x=year%400==0||year%4==0&&year%100!=0;

x!=0?cout<<year<<"is a leap year!": cout<<year<<"is not a leap year!";

system("pause");

return 0;

}

5.

#include <iostream>

#include "math.h"

using namespace std;

int main()

{double x,y;

cin>>x;

y=log(x\*x+3)/log(10)+3.14/2\*cos(40\*3.14/180);

cout<<y;

system("pause");

return 0;

}