练习 5

2.输出结果：6

3.输出结果：2，0，0

7.输出结果：0

12.

```c
#include<stdio.h>

void main(){
    double x,y;
    scanf("%lf",&x);
    if(x>=0){
        if(x>=10) y=x*x-x-15;
        else if(x==2||x==3) y=x*x-x-15;
        else y=x*x-5*x+6;
        }
    else{
        if(x==-3) y=x*x-x-15;
        else y=x*x+2*x-6;
}
    printf("%f\n",y);
}
```

18.

If语句：

```c
#include<stdio.h>

void main(){
    int month;
    printf("input the number of the month:\n");
    scanf("%d",&month);
    if(month<=0||month>=13) printf("Error!\n");
    else if(month==1) printf("January\n");
    else if(month==2) printf("Febuary\n");
    else if(month==3) printf("March\n");
    else if(month==4) printf("April\n");
    else if(month==5) printf("May\n");
    else if(month==6) printf("June\n");
    else if(month==7) printf("July\n");
    else if(month==8) printf("August\n");
    else if(month==9) printf("Semptember\n");
    else if(month==10) printf("October\n");
    else if(month==11) printf("November\n");
    else printf("December\n");
}
```

Switch 语句：

```c
#include<stdio.h>

void main(){
    int month;
    printf("input the number of the month:\n");
    scanf("%d",&month);
    switch(month){
    case 1:  printf("January\n");break;
    case 2:  printf("Febuary\n");break;
    case 3:  printf("March\n");break;
    case 4:  printf("April\n");break;
    case 5:  printf("May\n");break;
    case 6:  printf("June\n");break;
    case 7:  printf("July\n");break;
    case 8:  printf("August\n");break;
    case 9:  printf("Semptember\n");break;
    case 10: printf("October\n");break;
    case 11: printf("November\n");break;
    case 12: printf("December\n");break;
    default: printf("Error!\n");
    }
}
```
19.
```c
#include<stdio.h>

void main(){
 int n,a,b,c,d,temp;
 printf("shuruyigesiweishu:\n");
 scanf("%d",&n);
 if(n<1000||n>=10000) printf("Error!\n");
 else{
     d=n%10;n/=10;
     c=n%10;n/=10;
     b=n%10;
     a=n/10;
     printf("nixushuwei:%d%d%d%d\n",d,c,b,a);

     if(a>b){
         temp=a;a=b;b=temp;}
     if(a>c){
         temp=a;a=c;c=temp;}
     if(a>d){
         temp=a;a=d;d=temp;}
     if(b>c){
```

```c
        temp=b;b=c;c=temp;}
    if(b>d){
        temp=b;b=d;d=temp;}
    if(c>d){
        temp=c;c=d;d=temp;}
    printf("zuidashu:%d%d%d%d\n",d,c,b,a);
    printf("zuixiaoshu:%d%d%d%d\n",a,b,c,d);
}
}
```