Problema 1

```java
import java.util.Scanner;
public class Homework {
public static void main (String [] args) {
Scanner keyboard=new Scanner(System.in);
double a=keyboard.nextDouble();
double b=keyboard.nextDouble();
System.out.println("a="+a);
System.out.println("b="+b);
if (a>b)
System.out.println("e)"+a); else System.out.println("e)"+b);
if (b-a>a-b)
System.out.println ("f)"+b); else System.out.println("f)"+(a-b));
if (a==b)
System.out.println("g)"+(a+b)); else System.out.println("g)"+(b-a));
if (a!=b)
System.out.println("h)"+a+" si "+b); else System.out.println("h)"+a);
keyboard.close ();
}
}
```

Problema 2

```java
import java.util.Scanner;
public class Homework {
public static void main (String [] args) {
Scanner keyboard =new Scanner(System.in);
double x= keyboard.nextDouble();
System.out.println("x="+x);
if (-5<=x && x<2)
System.out.println("f(x)="+(x+1));
else if(x<-5)
System.out.println("f(x)="+Math.pow (x, 2));
else System.out.println("f(x)="+Math.pow (x, 3));
keyboard.close();
}
}
```

Problema 3

```java
import java.util.Scanner;
public class Homework {
public static void main (String[]args) {
Scanner keyboard =new Scanner(System.in);
double a=keyboard.nextDouble(), b=keyboard.nextDouble(), c=keyboard.nextDouble();
System.out.println("a="+a+"; b="+b+"; c="+c);
if (a>b)
if(b>c) System.out.println("c)"+c+", "+b+", "+a);
else System.out.println("c)"+b+", "+c+", "+a);
else if (c>b) System.out.println("c)"+a+", "+b+", "+c);
else System.out.println("c)"+a+", "+c+", "+b);
if (a>b)
if(b>c) System.out.println("d)"+a+", "+b+", "+c);
else System.out.println("d)"+a+", "+c+", "+b);
else if (c>b) System.out.println("d)"+c+", "+b+", "+a);
else System.out.println("d)"+b+", "+c+", "+a);
keyboard.close();
}
}
```

Problema 4

```java
import java.util.Scanner;
public class Homework {
public static void main (String[]args) {
Scanner keyboard =new Scanner(System.in);
String op=keyboard.nextLine();
double x=keyboard.nextDouble(), y=keyboard.nextDouble();
if ("+".contentEquals(op))
System.out.println(x+y);
if ("-".contentEquals(op))
System.out.println(x-y);
if ("*".contentEquals(op))
System.out.println(x*y);
if ("/".contentEquals(op))
System.out.println(x*y);
keyboard.close();
}
}
```