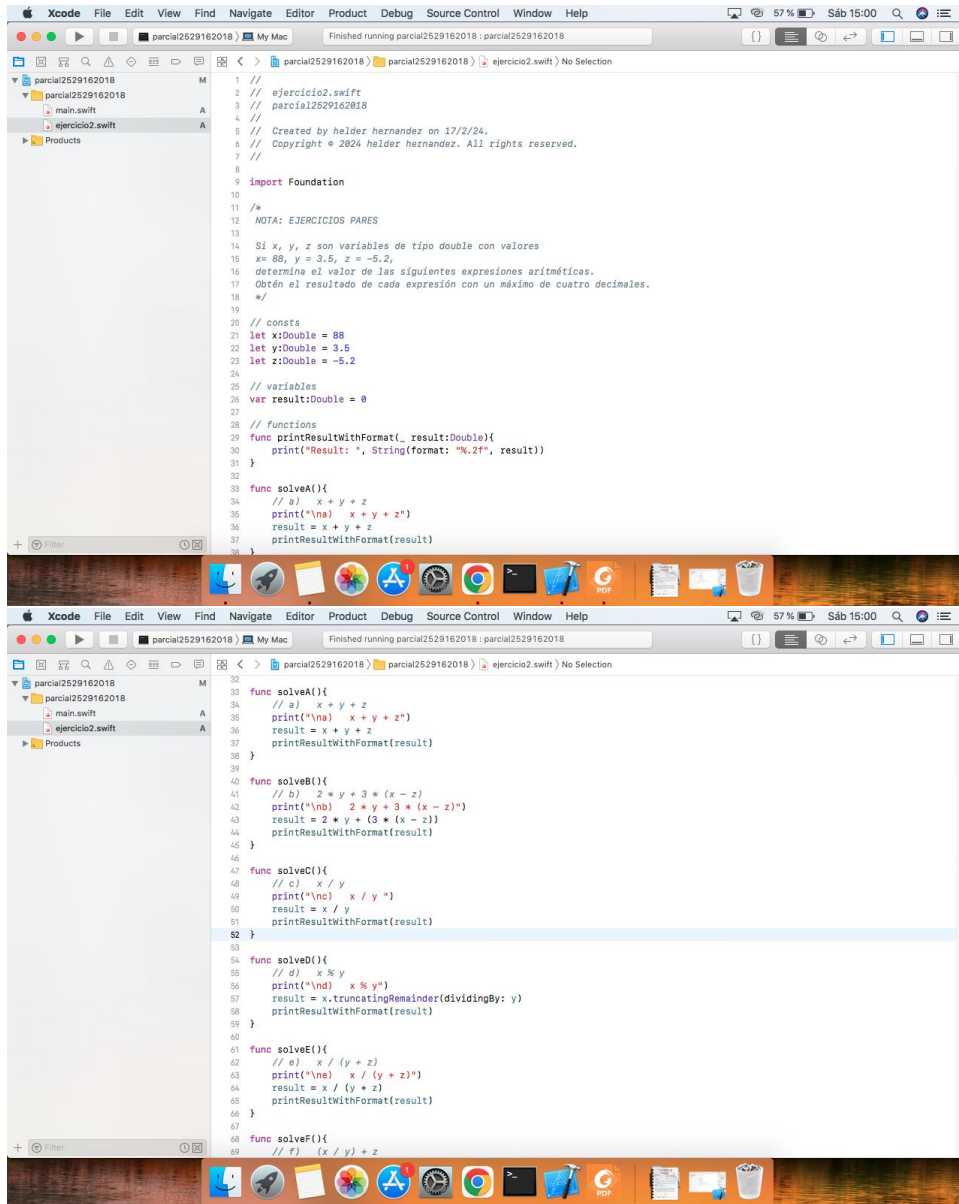


## PARCIAL 1 - 2529162018

### EJERCICIO 2

#### CAPTURA DE CODIGO



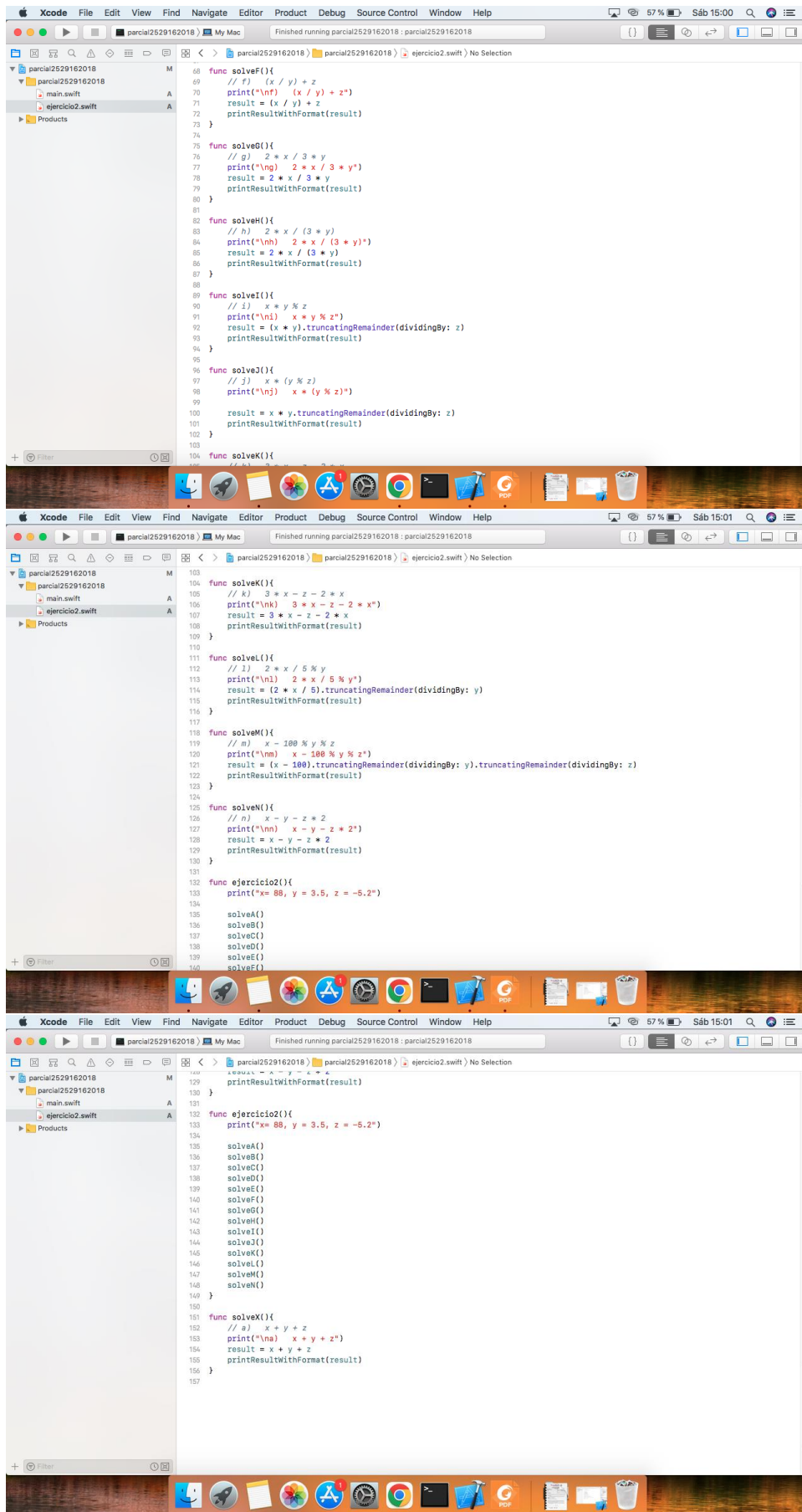
The image displays two screenshots of the Xcode IDE, showing the Swift code for a file named 'ejercicio2.swift' within a project named 'parcial2529162018'.

**Top Screenshot:** The code starts with a comment block indicating it was created by Helder Hernandez on 17/2/24. It includes an import of the Foundation framework and a note about even exercises. It defines constants for x (88), y (3.5), and z (-5.2), and variables for result and solveA. The solveA function prints the sum of x, y, and z.

```
1 //
2 // ejercicio2.swift
3 // parcial2529162018
4 //
5 // Created by helder hernandez on 17/2/24.
6 // Copyright © 2024 helder hernandez. All rights reserved.
7 //
8 //
9 import Foundation
10
11 /*
12  NOTA: EJERCICIOS PARES
13
14  Si x, y, z son variables de tipo double con valores
15  x= 88, y = 3.5, z = -5.2,
16  determina el valor de las siguientes expresiones aritméticas.
17  Obtén el resultado de cada expresión con un máximo de cuatro decimales.
18  */
19
20 // consts
21 let x:Double = 88
22 let y:Double = 3.5
23 let z:Double = -5.2
24
25 // variables
26 var result:Double = 0
27
28 // functions
29 func printResultWithFormat(_ result:Double){
30     print("Result: ", String(format: "%.2f", result))
31 }
32
33 func solveA(){
34     // a) x + y + z
35     print("\(ns) x + y + z")
36     result = x + y + z
37     printResultWithFormat(result)
38 }
```

**Bottom Screenshot:** The code continues with functions solveB, solveC, solveD, solveE, and solveF. solveB calculates  $2 * y + 3 * (x - z)$ . solveC calculates  $x / y$ . solveD calculates the truncating remainder of x divided by y. solveE calculates  $x / (y + z)$ . solveF calculates  $(x / y) + z$ .

```
39
40 func solveB(){
41     // b) 2 * y + 3 * (x - z)
42     print("\(nb) 2 * y + 3 * (x - z)")
43     result = 2 * y + (3 * (x - z))
44     printResultWithFormat(result)
45 }
46
47 func solveC(){
48     // c) x / y
49     print("\(nc) x / y")
50     result = x / y
51     printResultWithFormat(result)
52 }
53
54 func solveD(){
55     // d) x % y
56     print("\(nd) x % y")
57     result = x.truncatingRemainder(dividingBy: y)
58     printResultWithFormat(result)
59 }
60
61 func solveE(){
62     // e) x / (y + z)
63     print("\(ne) x / (y + z)")
64     result = x / (y + z)
65     printResultWithFormat(result)
66 }
67
68 func solveF(){
69     // f) (x / y) + z
```



CAPTURA DE IMPRESION DE CONSOLA

```
Xcode File Edit View Find Navigate Editor Product Debug Source Control Window Help
parcial2529162018 My Mac Finished running parcial2529162018 : parcial2529162018

parcial2529162018
└─ parcial2529162018
   └─ main.swift
   └─ ejercicio2.swift
   └─ Products

x= 88, y = 3.5, z = -5.2
a) x + y + z
Result: 86.38
b) 2 * y + 3 * (x - z)
Result: 286.68
c) x / y
Result: 25.14
d) x % y
Result: 0.58
e) x / (y + z)
Result: -51.76
f) (x / y) + z
Result: 19.94
g) 2 * x / 3 * y
Result: 286.33
h) 2 * x / (3 * y)
Result: 16.76
i) x * y % z
Result: 1.28
j) x * (y % z)
Result: 388.88
k) 3 * x - z - 2 * x
Result: 93.28
l) 2 * x / 5 % y
Result: 0.28
m) x - 100 % y % z
Result: -1.58
```

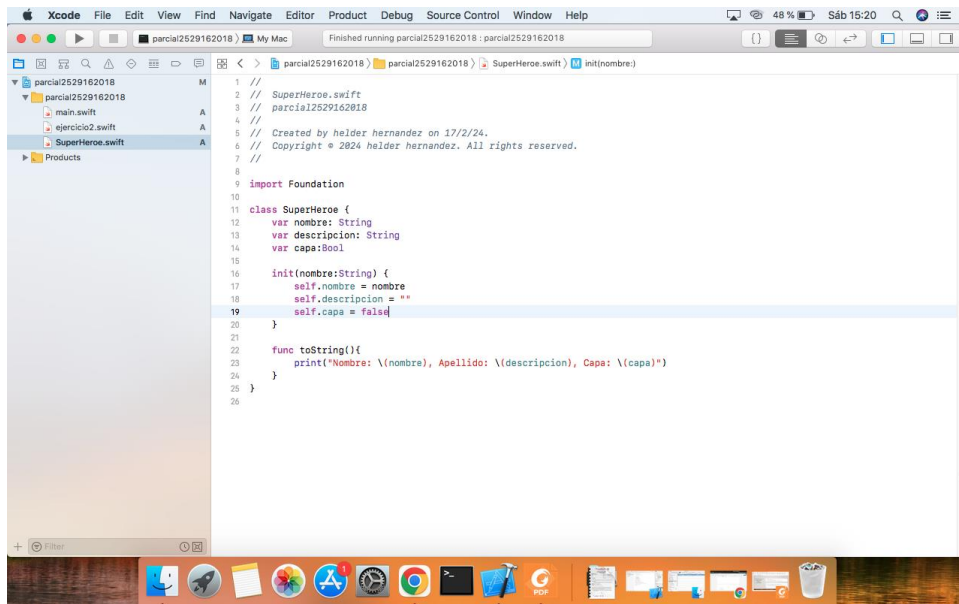
```
Xcode File Edit View Find Navigate Editor Product Debug Source Control Window Help
parcial2529162018 My Mac Finished running parcial2529162018 : parcial2529162018

parcial2529162018
└─ parcial2529162018
   └─ main.swift
   └─ ejercicio2.swift
   └─ Products

Result: 86.38
b) 2 * y + 3 * (x - z)
Result: 286.68
c) x / y
Result: 25.14
d) x % y
Result: 0.58
e) x / (y + z)
Result: -51.76
f) (x / y) + z
Result: 19.94
g) 2 * x / 3 * y
Result: 286.33
h) 2 * x / (3 * y)
Result: 16.76
i) x * y % z
Result: 1.28
j) x * (y % z)
Result: 388.88
k) 3 * x - z - 2 * x
Result: 93.28
l) 2 * x / 5 % y
Result: 0.28
m) x - 100 % y % z
Result: -1.58
n) x - y - z * 2
Result: 94.98
Program ended with exit code: 0
```

## EJERCICIO 4

### CAPTURA DE CODIGO



### CAPTURA DE IMPRESION

