

$$\frac{\partial f}{\partial x} = x + 1$$

	-3	-2	-1	0	1	2	3
2	-2	-1	0	1	2	3	4
1	-2	-1	0	1	2	3	4
0	-2	-1	0	1	2	3	4
-1	-2	-1	0	1	2	3	4
-2	-2	-1	0	1	2	3	4

Module 3 Lesson 1  
Assignment 1

Pedro Gómez Martín

$$\frac{\partial f}{\partial x} = 2x$$

	-3	-2	-1	0	1	2	3
2	4	4	4	4	4	4	4
1	2	2	2	2	2	2	2
0	0	0	0	0	0	0	0
-1	-2	-2	-2	-2	-2	-2	-2
-2	-4	-4	-4	-4	-4	-4	-4

$$\frac{\partial f}{\partial x} = x + y$$

	-3	-2	-1	0	1	2	3
2	-1	0	1	2	3	4	5
1	-2	-1	0	1	2	3	4
0	-3	-2	-1	0	1	2	3
-1	-4	-3	-2	-1	0	1	2
-2	-5	-4	-3	-2	-1	0	1

$$\frac{\partial y}{\partial x} = 2x$$

		x						
		-3	-2	-1	0	1	2	3
y	2	-6	-4	-2	0	2	4	6
	1	-6	-4	-2	0	2	4	6
	0	-6	-4	-2	0	2	4	6
	-1	-6	-4	-2	0	2	4	6
	-2	-6	-4	-2	0	2	4	6

$$\frac{\partial y}{\partial x} = y - 1$$

		x						
		-3	-2	-1	0	1	2	3
y	2	1	1	1	1	1	1	1
	1	0	0	0	0	0	0	0
	0	-1	-1	-1	-1	-1	-1	-1
	-1	-2	-2	-2	-2	-2	-2	-2
	-2	-3	-3	-3	-3	-3	-3	-3

	-3	-2	-1	0	1	2	3
2	2/3	1	2	und	-2	-1	-2/3
1	1/3	1/2	1	und	-1	-1/2	-1/3
0	0	0	0	und	0	0	0
-1	-1/3	-1/2	-1	und	1	1/2	1/3
-2	-2/3	-1	-2	und	2	1	2/3