

D2y(4) = 109.1963
 D3y(4) = 109.1963

a =	2	2
b =	1	-1

x	y	y1	Dy	z	z1	e
-5	0.01347589	296.826318	0.01347589	0.014918		-0.00144211
-4.8	0.01645949	243.020835	0.01645949	0.01822089	0.014918	-0.00176139
-4.6	0.02010367	198.968631	0.02010367	0.02225504	0.01822089	-0.00215137
-4.4	0.02455468	162.901737	0.02455468	0.02718237	0.02225504	-0.00262769
-4.2	0.02999115	133.372662	0.02999115	0.03320062	0.02718237	-0.00320947
-4	0.03663128	109.1963	0.03663128	0.04055133	0.03320062	-0.00392005
-3.8	0.04474154	89.402369	0.04474154	0.04952951	0.04055133	-0.00478796
-3.6	0.05464744	73.1964689	0.05464744	0.06049548	0.04952951	-0.00584803
-3.4	0.06674654	59.9282001	0.06674654	0.07388934	0.06049548	-0.0071428
-3.2	0.08152441	49.0650604	0.08152441	0.09024864	0.07388934	-0.00872424
-3	0.09957414	40.1710738	0.09957414	0.11022994	0.09024864	-0.01065581
-2.8	0.12162013	32.8892935	0.12162013	0.13463516	0.11022994	-0.01301503
-2.6	0.14854716	26.9274761	0.14854716	0.16444375	0.13463516	-0.01589659
-2.4	0.18143591	22.0463528	0.18143591	0.20085205	0.16444375	-0.01941614
-2.2	0.22160632	18.050027	0.22160632	0.24532125	0.20085205	-0.02371493
-2	0.27067057	14.7781122	0.27067057	0.29963605	0.24532125	-0.02896548
-1.8	0.33059778	12.0992949	0.33059778	0.3659763	0.29963605	-0.03537852
-1.6	0.40379304	9.90606485	0.40379304	0.44700446	0.3659763	-0.04321142
-1.4	0.49319393	8.11039993	0.49319393	0.54597248	0.44700446	-0.05277855
-1.2	0.60238842	6.64023385	0.60238842	0.66685229	0.54597248	-0.06446387
-1	0.73575888	5.43656366	0.73575888	0.81449523	0.66685229	-0.07873635
-0.8	0.89865793	4.45108186	0.89865793	0.99482672	0.81449523	-0.09616879
-0.6	1.09762327	3.6442376	1.09762327	1.2150841	0.99482672	-0.11746083
-0.4	1.34064009	2.9836494	1.34064009	1.48410707	1.2150841	-0.14346698
-0.2	1.63746151	2.44280552	1.63746151	1.81269247	1.48410707	-0.17523096
0	2	2	2	2.21402758	1.81269247	-0.21402758
0.2	2.44280552	1.63746151	2.44280552	2.70421939	2.21402758	-0.26141388
0.4	2.9836494	1.34064009	2.9836494	3.30294103	2.70421939	-0.31929163
0.6	3.6442376	1.09762327	3.6442376	4.03422128	3.30294103	-0.38998368
0.8	4.45108186	0.89865793	4.45108186	4.927409	4.03422128	-0.47632714
1	5.43656366	0.73575888	5.43656366	6.01835094	4.927409	-0.58178729

P1	P2	P3
-873.570401	3548.87975	-9718.47071
-851.731141	3376.3496	-9026.02057
-829.891881	3208.1873	-8367.63968
-808.05262	3044.39285	-7742.45446
-786.21336	2884.96625	-7149.59135
-764.3741	2729.9075	-6588.17677
-742.53484	2579.21661	-6057.33716
-720.69558	2432.89357	-5556.19894
-698.85632	2290.93838	-5083.88854
-677.01706	2153.35104	-4639.5324
-655.1778	2020.13155	-4222.25694
-633.33854	1891.27992	-3831.18859
-611.49928	1766.79614	-3465.45378
-589.66002	1646.6802	-3124.17894
-567.82076	1530.93213	-2806.49051
-545.9815	1419.5519	-2511.5149
-524.14224	1312.53953	-2238.37856
-502.30298	1209.895	-1986.2079
-480.46372	1111.61833	-1754.12936
-458.62446	1017.70952	-1541.26938
-436.7852	928.168551	-1346.75437
-414.94594	842.995437	-1169.71077
-393.10668	762.190174	-1009.265
-371.26742	685.752764	-864.543506
-349.42816	613.683206	-734.672707
-327.5889	545.9815	-618.779034
-305.74964	482.647646	-515.988917
-283.91038	423.681644	-425.428785
-262.07112	369.083494	-346.225069
-240.23186	318.853196	-277.504197
-218.3926	272.99075	-218.3926

Modelado matemático en Farmacia mediante hoja de cálculo

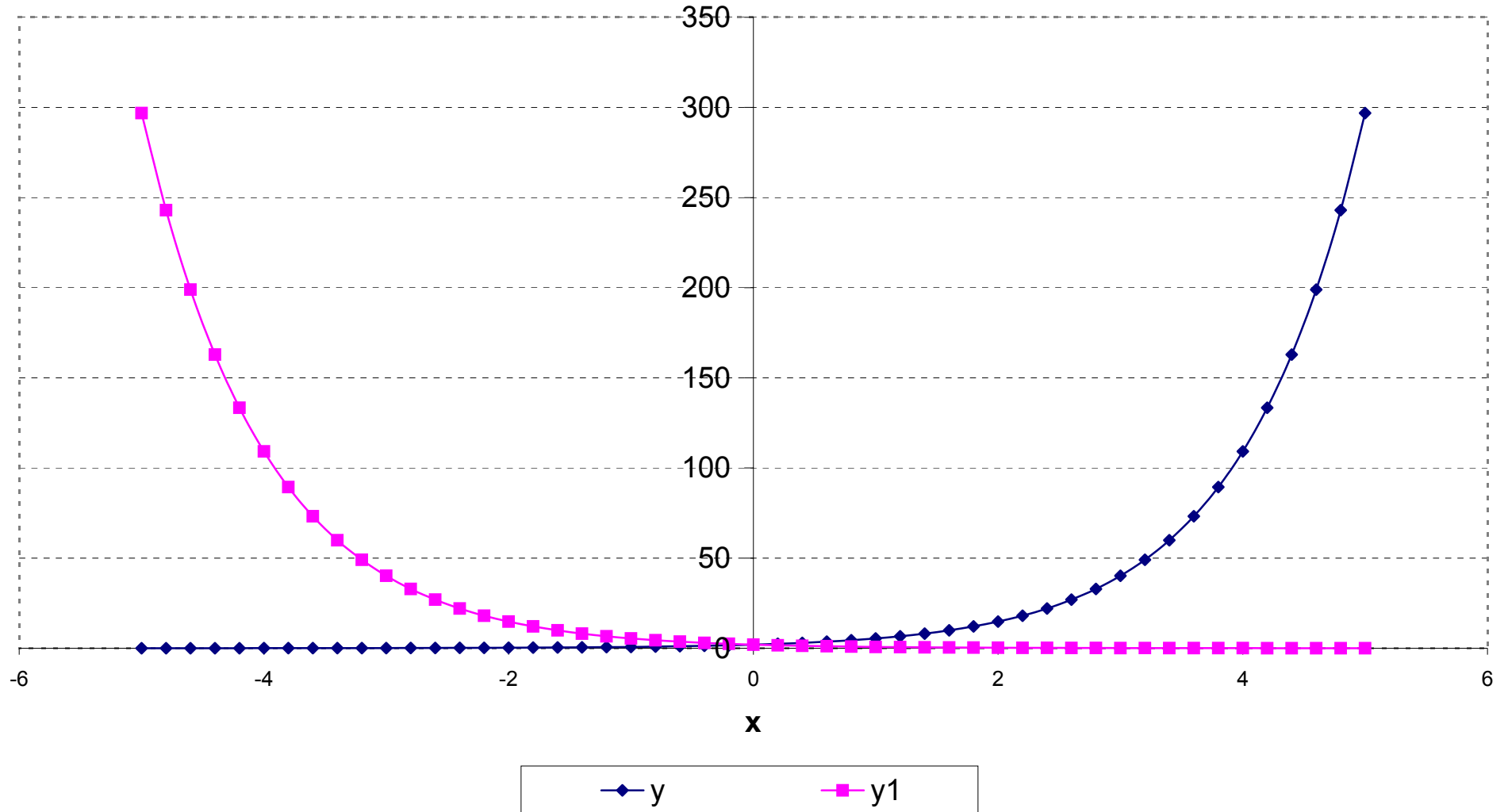
1.2	6.64023385	0.60238842	6.64023385	7.35083044	6.01835094	-0.7105966
1.4	8.11039993	0.49319393	8.11039993	8.97832458	7.35083044	-0.86792464
1.6	9.90606485	0.40379304	9.90606485	10.9661504	8.97832458	-1.06008555
1.8	12.0992949	0.33059778	12.0992949	13.3940863	10.9661504	-1.29479142
2	14.7781122	0.27067057	14.7781122	16.359574	13.3940863	-1.58146181
2.2	18.050027	0.22160632	18.050027	19.9816288	16.359574	-1.93160181
2.4	22.0463528	0.18143591	22.0463528	24.4056165	19.9816288	-2.35926378
2.6	26.9274761	0.14854716	26.9274761	29.8090874	24.4056165	-2.88161129
2.8	32.8892935	0.12162013	32.8892935	36.4089015	29.8090874	-3.51960798
3	40.1710738	0.09957414	40.1710738	44.4699327	36.4089015	-4.29885889
3.2	49.0650604	0.08152441	49.0650604	54.3156985	44.4699327	-5.25063811
3.4	59.9282001	0.06674654	59.9282001	66.341344	54.3156985	-6.41314387
3.6	73.1964689	0.05464744	73.1964689	81.0295005	66.341344	-7.83303161
3.8	89.402369	0.04474154	89.402369	98.9696554	81.0295005	-9.56728641
4	109.1963	0.03663128	109.1963	120.88181	98.9696554	-11.68551
4.2	133.372662	0.02999115	133.372662	147.645376	120.88181	-14.2727142
4.4	162.901737	0.02455468	162.901737	180.33447	147.645376	-17.4327324
4.6	198.968631	0.02010367	198.968631	220.261019	180.33447	-21.2923875
4.8	243.020835	0.01645949	243.020835	269.027416	220.261019	-26.0065808
5	296.826318	0.01347589	296.826318		269.027416	

-196.55334	231.496156	-168.016707
-174.71408	194.369414	-125.502948
-152.87482	161.610524	-89.9777513
-131.03556	133.219486	-60.5675478
-109.1963	109.1963	-36.3987667
-87.3570401	89.5409661	-16.5978376
-65.51778	74.253484	-0.29119013
-43.67852	63.333854	13.3947461
-21.83926	56.782076	25.3335416
1.1084E-12	54.59815	36.3987667
21.83926	56.782076	47.4639918
43.67852	63.333854	59.4027872
65.51778	74.253484	73.0887235
87.3570401	89.5409661	89.395371
109.1963	109.1963	109.1963
131.03556	133.219486	133.365081
152.87482	161.610524	162.775285
174.71408	194.369414	198.300481
196.55334	231.496156	240.81424
218.3926	272.99075	291.190134

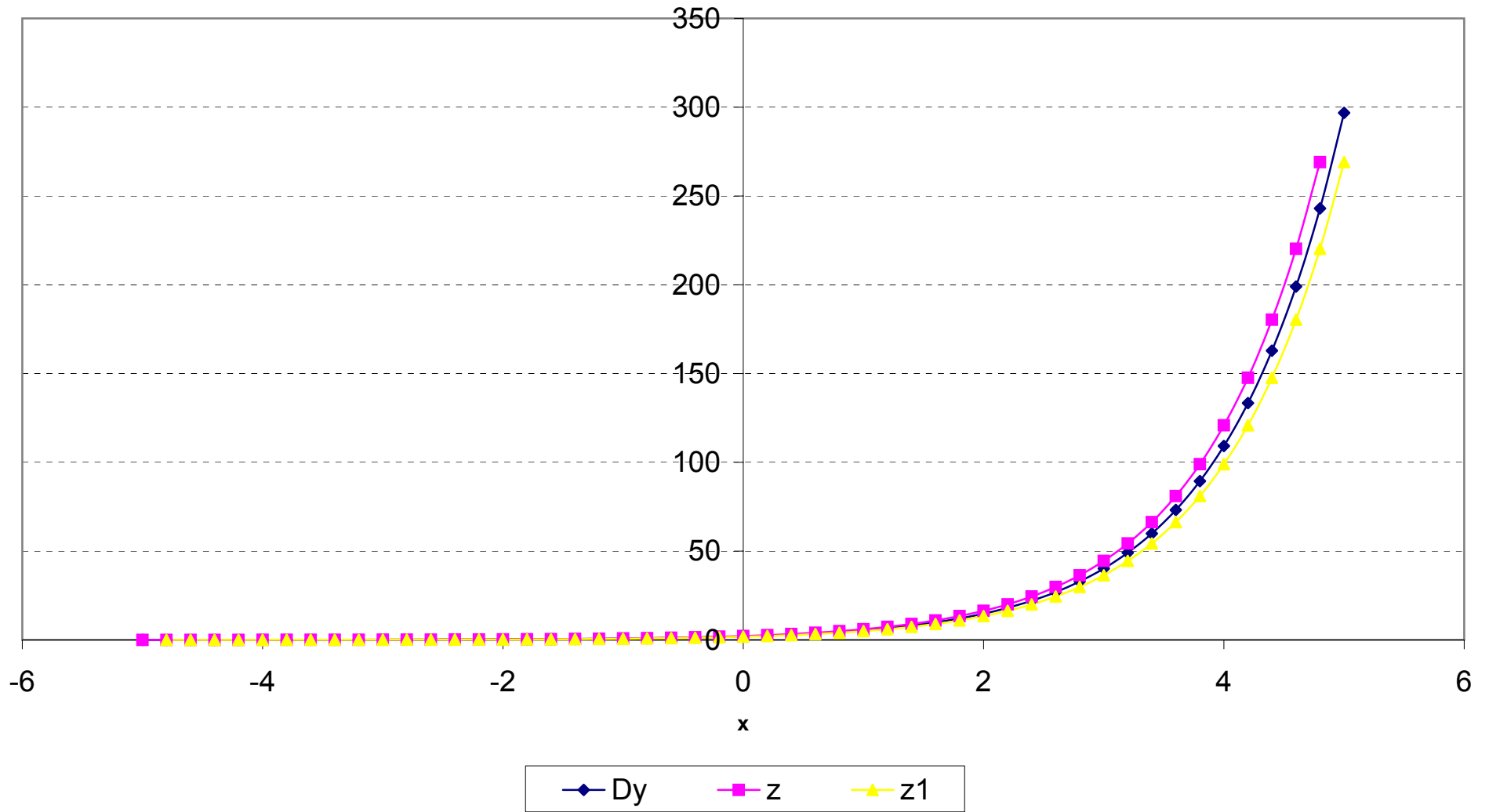
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 Q1 = -2.25234829
 Mediana = -0.19462927
 Q3 = -0.01677648
 Máximo = -0.00144211

Media = -2.8692567
 Varianza = 32.7975976
 Desviación típica = 5.72691868

Funciones exponenciales



Derivadas discreta y continua



Aproximaciones de Taylor en el punto 4

