

Plot a function and its derivative
Quadratic function

Obs	xmin	xmax	xdiv	xlength	i	x	y	dydx
1	-5	5	100	0.1	0	-5.0	-30.00	12.0
2	-5	5	100	0.1	1	-4.9	-28.81	11.8
3	-5	5	100	0.1	2	-4.8	-27.64	11.6
4	-5	5	100	0.1	3	-4.7	-26.49	11.4
5	-5	5	100	0.1	4	-4.6	-25.36	11.2
6	-5	5	100	0.1	5	-4.5	-24.25	11.0
7	-5	5	100	0.1	6	-4.4	-23.16	10.8
8	-5	5	100	0.1	7	-4.3	-22.09	10.6
9	-5	5	100	0.1	8	-4.2	-21.04	10.4
10	-5	5	100	0.1	9	-4.1	-20.01	10.2
11	-5	5	100	0.1	10	-4.0	-19.00	10.0
12	-5	5	100	0.1	11	-3.9	-18.01	9.8
13	-5	5	100	0.1	12	-3.8	-17.04	9.6
14	-5	5	100	0.1	13	-3.7	-16.09	9.4
15	-5	5	100	0.1	14	-3.6	-15.16	9.2
16	-5	5	100	0.1	15	-3.5	-14.25	9.0
17	-5	5	100	0.1	16	-3.4	-13.36	8.8
18	-5	5	100	0.1	17	-3.3	-12.49	8.6
19	-5	5	100	0.1	18	-3.2	-11.64	8.4
20	-5	5	100	0.1	19	-3.1	-10.81	8.2
21	-5	5	100	0.1	20	-3.0	-10.00	8.0
22	-5	5	100	0.1	21	-2.9	-9.21	7.8
23	-5	5	100	0.1	22	-2.8	-8.44	7.6
24	-5	5	100	0.1	23	-2.7	-7.69	7.4
25	-5	5	100	0.1	24	-2.6	-6.96	7.2
26	-5	5	100	0.1	25	-2.5	-6.25	7.0
27	-5	5	100	0.1	26	-2.4	-5.56	6.8
28	-5	5	100	0.1	27	-2.3	-4.89	6.6
29	-5	5	100	0.1	28	-2.2	-4.24	6.4
30	-5	5	100	0.1	29	-2.1	-3.61	6.2
31	-5	5	100	0.1	30	-2.0	-3.00	6.0
32	-5	5	100	0.1	31	-1.9	-2.41	5.8
33	-5	5	100	0.1	32	-1.8	-1.84	5.6
34	-5	5	100	0.1	33	-1.7	-1.29	5.4
35	-5	5	100	0.1	34	-1.6	-0.76	5.2
36	-5	5	100	0.1	35	-1.5	-0.25	5.0
37	-5	5	100	0.1	36	-1.4	0.24	4.8
38	-5	5	100	0.1	37	-1.3	0.71	4.6
39	-5	5	100	0.1	38	-1.2	1.16	4.4

40	-5	5	100	0.1	39	-1.1	1.59	4.2
41	-5	5	100	0.1	40	-1.0	2.00	4.0
42	-5	5	100	0.1	41	-0.9	2.39	3.8
43	-5	5	100	0.1	42	-0.8	2.76	3.6
44	-5	5	100	0.1	43	-0.7	3.11	3.4
45	-5	5	100	0.1	44	-0.6	3.44	3.2
46	-5	5	100	0.1	45	-0.5	3.75	3.0
47	-5	5	100	0.1	46	-0.4	4.04	2.8
48	-5	5	100	0.1	47	-0.3	4.31	2.6
49	-5	5	100	0.1	48	-0.2	4.56	2.4
50	-5	5	100	0.1	49	-0.1	4.79	2.2
51	-5	5	100	0.1	50	0.0	5.00	2.0
52	-5	5	100	0.1	51	0.1	5.19	1.8
53	-5	5	100	0.1	52	0.2	5.36	1.6
54	-5	5	100	0.1	53	0.3	5.51	1.4
55	-5	5	100	0.1	54	0.4	5.64	1.2
56	-5	5	100	0.1	55	0.5	5.75	1.0
57	-5	5	100	0.1	56	0.6	5.84	0.8
58	-5	5	100	0.1	57	0.7	5.91	0.6
59	-5	5	100	0.1	58	0.8	5.96	0.4
60	-5	5	100	0.1	59	0.9	5.99	0.2
61	-5	5	100	0.1	60	1.0	6.00	0.0
62	-5	5	100	0.1	61	1.1	5.99	-0.2
63	-5	5	100	0.1	62	1.2	5.96	-0.4
64	-5	5	100	0.1	63	1.3	5.91	-0.6
65	-5	5	100	0.1	64	1.4	5.84	-0.8
66	-5	5	100	0.1	65	1.5	5.75	-1.0
67	-5	5	100	0.1	66	1.6	5.64	-1.2
68	-5	5	100	0.1	67	1.7	5.51	-1.4
69	-5	5	100	0.1	68	1.8	5.36	-1.6
70	-5	5	100	0.1	69	1.9	5.19	-1.8
71	-5	5	100	0.1	70	2.0	5.00	-2.0
72	-5	5	100	0.1	71	2.1	4.79	-2.2
73	-5	5	100	0.1	72	2.2	4.56	-2.4
74	-5	5	100	0.1	73	2.3	4.31	-2.6
75	-5	5	100	0.1	74	2.4	4.04	-2.8
76	-5	5	100	0.1	75	2.5	3.75	-3.0
77	-5	5	100	0.1	76	2.6	3.44	-3.2
78	-5	5	100	0.1	77	2.7	3.11	-3.4
79	-5	5	100	0.1	78	2.8	2.76	-3.6
80	-5	5	100	0.1	79	2.9	2.39	-3.8
81	-5	5	100	0.1	80	3.0	2.00	-4.0
82								

	-5	5	100	0.1	81	3.1	1.59	-4.2
83	-5	5	100	0.1	82	3.2	1.16	-4.4
84	-5	5	100	0.1	83	3.3	0.71	-4.6
85	-5	5	100	0.1	84	3.4	0.24	-4.8
86	-5	5	100	0.1	85	3.5	-0.25	-5.0
87	-5	5	100	0.1	86	3.6	-0.76	-5.2
88	-5	5	100	0.1	87	3.7	-1.29	-5.4
89	-5	5	100	0.1	88	3.8	-1.84	-5.6
90	-5	5	100	0.1	89	3.9	-2.41	-5.8
91	-5	5	100	0.1	90	4.0	-3.00	-6.0
92	-5	5	100	0.1	91	4.1	-3.61	-6.2
93	-5	5	100	0.1	92	4.2	-4.24	-6.4
94	-5	5	100	0.1	93	4.3	-4.89	-6.6
95	-5	5	100	0.1	94	4.4	-5.56	-6.8
96	-5	5	100	0.1	95	4.5	-6.25	-7.0
97	-5	5	100	0.1	96	4.6	-6.96	-7.2
98	-5	5	100	0.1	97	4.7	-7.69	-7.4
99	-5	5	100	0.1	98	4.8	-8.44	-7.6
100	-5	5	100	0.1	99	4.9	-9.21	-7.8
101	-5	5	100	0.1	100	5.0	-10.00	-8.0

Plot a function and its derivative
Quadratic function

