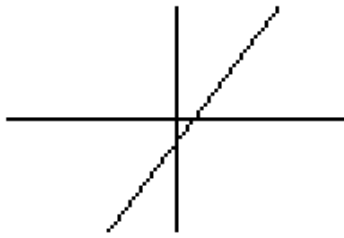


Graph

Table

Description

Derivatives



X	Y1
0	-1
5	9
10	19
15	29
20	39
25	49
30	59

X=0



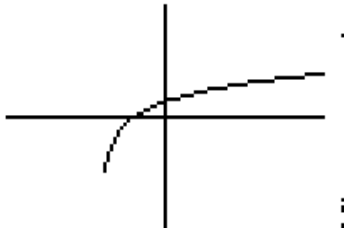
X	Y1
0	-3
1	-2
2	0
3	4
4	12
5	28
6	60

X=0



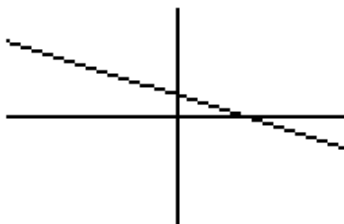
X	Y1
0	-2
1	-2.5
2	-2.75
3	-2.875
4	-2.938
5	-2.969
6	-2.984

X=0



X	Y1
0	.69315
1	1.0986
2	1.3863
3	1.6094
4	1.7918
5	1.9459
6	2.0794

X=0



X	Y1
0	1
2	0
4	-1
6	-2
8	-3
10	-4
12	-5

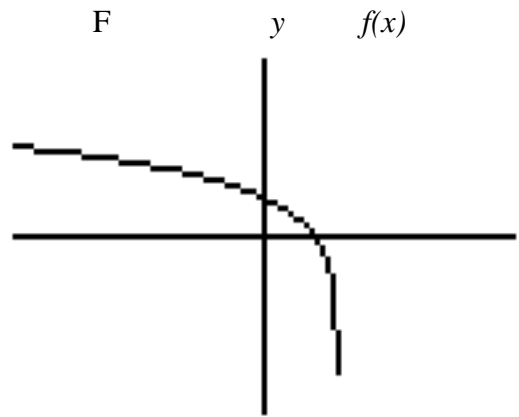
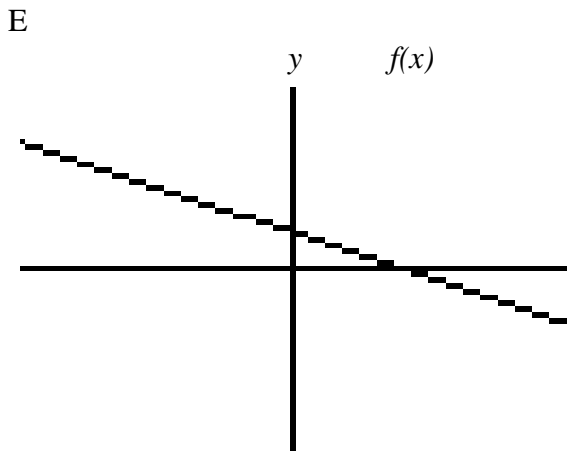
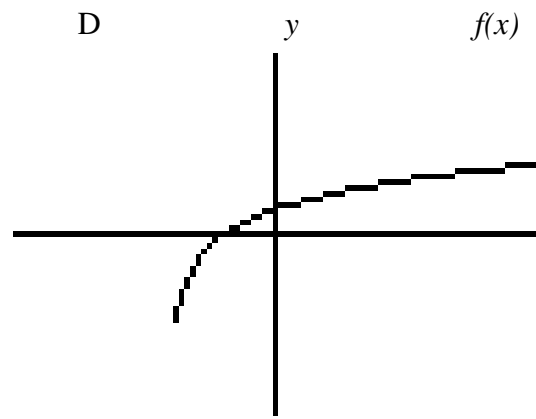
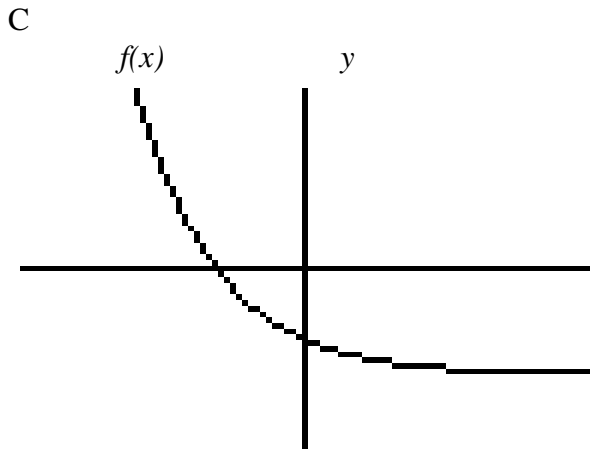
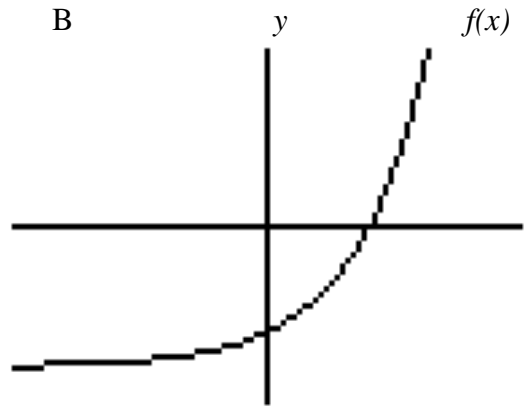
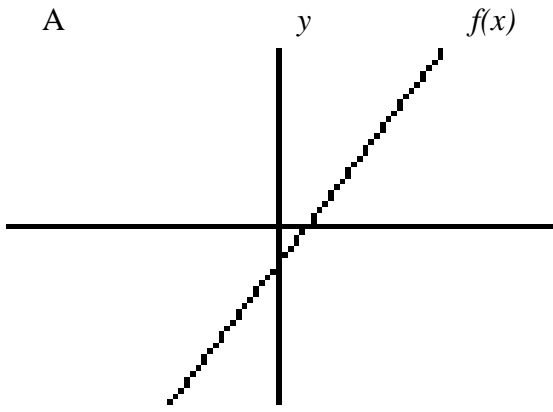
X=0



X	Y1
-70	4.9628
-60	4.8122
-50	4.6347
-40	4.4188
-30	4.1431
-20	3.7612
-10	3.1355

X=-70

This game was created by teacher Darlene Westbrook



4

X	Y1	
0	1	
1	0	
2	0	
3	0	
4	0	
5	0	
6	0	
7	0	
8	0	
9	0	
10	0	
11	0	
12	0	

$X=0$

2

X	Y1	
0	1	
1	0	
2	0	
3	0	
4	0	
5	0	
6	0	
7	0	
8	0	
9	0	
10	0	
11	0	
12	0	
13	0	
14	0	
15	0	
16	0	
17	0	
18	0	
19	0	
20	0	
21	0	
22	0	
23	0	
24	0	
25	0	
26	0	
27	0	
28	0	
29	0	
30	0	
31	0	
32	0	
33	0	
34	0	
35	0	
36	0	
37	0	
38	0	
39	0	
40	0	
41	0	
42	0	
43	0	
44	0	
45	0	
46	0	
47	0	
48	0	
49	0	
50	0	
51	0	
52	0	
53	0	
54	0	
55	0	
56	0	
57	0	
58	0	
59	0	
60	0	

$X=0$

3

X	Y1	
0	1	
1	0	
2	0	
3	0	
4	0	
5	0	
6	0	
7	0	
8	0	
9	0	
10	0	
11	0	
12	0	
13	0	
14	0	
15	0	
16	0	
17	0	
18	0	
19	0	
20	0	
21	0	
22	0	
23	0	
24	0	
25	0	
26	0	
27	0	
28	0	
29	0	
30	0	
31	0	
32	0	
33	0	
34	0	
35	0	
36	0	
37	0	
38	0	
39	0	
40	0	
41	0	
42	0	
43	0	
44	0	
45	0	
46	0	
47	0	
48	0	
49	0	
50	0	
51	0	
52	0	
53	0	
54	0	
55	0	
56	0	
57	0	
58	0	
59	0	
60	0	
61	0	
62	0	
63	0	
64	0	
65	0	
66	0	
67	0	
68	0	
69	0	
70	0	
71	0	
72	0	
73	0	
74	0	
75	0	
76	0	
77	0	
78	0	
79	0	
80	0	
81	0	
82	0	
83	0	
84	0	
85	0	
86	0	
87	0	
88	0	
89	0	
90	0	
91	0	
92	0	
93	0	
94	0	
95	0	
96	0	
97	0	
98	0	
99	0	
100	0	

$X=0$

6

X	Y1	
0	1	
1	0	
2	0	
3	0	
4	0	
5	0	
6	0	
7	0	
8	0	
9	0	
10	0	
11	0	
12	0	
13	0	
14	0	
15	0	
16	0	
17	0	
18	0	
19	0	
20	0	
21	0	
22	0	
23	0	
24	0	
25	0	
26	0	
27	0	
28	0	
29	0	
30	0	
31	0	
32	0	
33	0	
34	0	
35	0	
36	0	
37	0	
38	0	
39	0	
40	0	
41	0	
42	0	
43	0	
44	0	
45	0	
46	0	
47	0	
48	0	
49	0	
50	0	
51	0	
52	0	
53	0	
54	0	
55	0	
56	0	
57	0	
58	0	
59	0	
60	0	
61	0	
62	0	
63	0	
64	0	
65	0	
66	0	
67	0	
68	0	
69	0	
70	0	
71	0	
72	0	
73	0	
74	0	
75	0	
76	0	
77	0	
78	0	
79	0	
80	0	
81	0	
82	0	
83	0	
84	0	
85	0	
86	0	
87	0	
88	0	
89	0	
90	0	
91	0	
92	0	
93	0	
94	0	
95	0	
96	0	
97	0	
98	0	
99	0	
100	0	

$X=0$

5

X	Y1	
0	1	
1	0	
2	0	
3	0	
4	0	
5	0	
6	0	
7	0	
8	0	
9	0	
10	0	
11	0	
12	0	

$X=0$

1

X	Y1	
-70	4.9628	
-60	4.8122	
-50	4.6347	
-40	4.4188	
-30	4.1431	
-20	3.7612	
-10	3.1355	

$X=-70$

c
Increasing at an
increasing rate

a
Decreasing at an
increasing rate

b
Decreasing at a
decreasing rate

e
Increasing at a
decreasing rate

f
Increasing at a
constant rate

d
Decreasing at a
constant rate

iii)

$$f'(x) > 0$$

$$f''(x) > 0$$

iv)

$$f'(x) > 0$$

$$f''(x) < 0$$

i)

$$f'(x) < 0$$

$$f''(x) > 0$$

vi)

$$f'(x) < 0$$

$$f''(x) < 0$$

v)

$$f'(x) > 0$$

$$f''(x) = 0$$

ii)

$$f'(x) < 0$$

$$f''(x) = 0$$