Lecture 5 Terminal

Bisection				
	k	xmin	xmax	dx
Result:				
	1	0	1.5708	1.5708
	2	0	0.785398	0.785398
		0.392699	0.785398	0.392699
	4	0.589049	0.785398	0.19635
	5	0.687223	0.785398	0.0981748
	6	0.736311	0.785398	0.0490874
	7	0.736311	0.760854	0.0245437
	8	0.736311	0.748583	0.0122718
	9	0.736311	0.742447	0.00613592
1	LØ	0.736311	0.739379	0.00306796
1	l1	0.737845	0.739379	0.00153398
1	l2	0.738612	0.739379	0.00076699
1	L3	0.738995	0.739379	0.000383495
1	L4	0.738995	0.739187	0.000191748
1	15	0.738995	0.739091	9.58738e-05
1	l6	0.739043	0.739091	4.79369e-05
1	L7	0.739067	0.739091	2.39684e-05
1	L8	0.739079	0.739091	1.19842e-05
1	L9	0.739085	0.739091	5.99211e-06
2	20	0.739085	0.739088	2.99606e-06
2	21	0.739085	0.739087	1.49803e-06
2	22	0.739085	0.739086	7.49014e-07
2	23	0.739085	0.739086	3.74507e-07
2	24	0.739085	0.739085	1.87254e-07
2	25	0.739085	0.739085	9.36268e-08
2	26	0.739085	0.739085	4.68134e-08
2	27	0.739085	0.739085	2.34067e-08
2	28	0.739085	0.739085	1.17033e-08
0.739085				

Secant			
	k	x	dx
Result:			
	1	0	0.611015
	2	0.611015	0.160518
	3	0.771533	-0.0334125
	4	0.738121	0.000957596
	5	0.739078	6.7976e-06
	6	0.739085	-1.44793e-09
	7	0.739085	2.18912e-15
0.739085			

False Position				
k	xmin	xmax	dx	
Result:				
1	0.611015	1.5708	-0.611015	
2	0.72327	1.5708	-0.112254	
3	0.737266	1.5708	-0.0139964	
4	0.738878	1.5708	-0.00161186	
5	0.739062	1.5708	-0.000183753	
6	0.739082	1.5708	-2.09233e-05	
7	0.739085	1.5708	-2.38215e-06	
8	0.739085	1.5708	-2.71208e-07	
9	0.739085	1.5708	-3.08769e-08	
10	0.739085	1.5708	-3.51532e-09	
11	0.739085	1.5708	-4.00217e-10	
12	0.739085	1.5708	-4.55647e-11	
13	0.739085	1.5708	-5.18752e-12	
14	0.739085	1.5708	-5.90528e-13	
15	0.739085	1.5708	-6.72795e-14	
16	0.739085	1.5708	-7.66054e-15	
17	0.739085	1.5708	-8.88178e-16	
18	0.739085	0.739085	0.831711	
0.739085				

Ridder			
	k	x	dx
Result:			
	1	0.736432	9.99e+99
	2	0.739085	0.00265313
	3	0.739085	2.4532e-07
	4	0.739085	5.34583e-12
	5	0.739085	2.22045e-16
0.739085			
Newton			
	k	x	dx
Result:			
	1	0	-1
	2	1	0.249636
	3	0.750364	0.011251
	4	0.739113	2.77575e-05
	5	0.739085	1.70123e-10