Console

n	xn	f(xn)	f1(xn)
	Xn+1	Error	
0	10.0000000000	830.0000000000	280.0000000000
	7.0357142857	2.9642857143	
1	7.0357142857	237.5625455539	128.5038265306
	5.1870335735	1.8486807122	
2	5.1870335735	65.8181126320	60.7159518776
	4.1030002907	1.0840332828	
3	4.1030002907	17.0124095943	30.5038341563
	3.5452864798	0.5577138109	
4	3.5452864798	3.6551754982	17.7071686715
	3.3388629930	0.2064234868	
5	3.3388629930	0.4444051066	13.4440182584
	3.3058070199	0.0330559731	
6	3.3058070199	0.0109089802	12.7850801578
	3.3049537612	0.0008532586	
7	3.3049537612	0.0000072198	12.7681580914
	3.3049531958	0.0000005655	
8	3.3049531958	0.0000000000	12.7681468787
	3.3049531958	0.0000000000	
9	3.3049531958	0.0000000000	12.7681468787
	3.3049531958	0.0000000000	

Therefore, sides are = 3.30495 m x 3.30495 m x 1.83105 m