

Exact Value: 0.38266912788906754

	Midpoint Rule			Simpson's Rule		
	Estimated Value	Absolute Error	Relative Error	Estimated Value	Absolute Error	Relative Error
1	0.390824339	8.15521E-03	2.13114E-02	0.384842749	2.17362E-03	5.68016E-03
0.5	0.38326863	5.99502E-04	1.56663E-03	0.382796404	1.27276E-04	3.32602E-04
0.25	0.382735267	6.61388E-05	1.72835E-04	0.382676942	7.81383E-06	2.04193E-05