1.80000000000000e+00

1.9000000000000e+00

2.00000000000000e+00

## 3> RK4 RK2 X(0)5.00000000000000e-01 5.00000000000000e-01 2.000000000000000e-01 1.009000000000000e+00 8.140000000000001e-01 4.000000000000000e-01 1.66690833333333e+00 1.181540000000000e+00 6.00000000000001e-01 2.497268680555556e+00 1.59706340000000e+00 8.00000000000000e-01 3.531668813078704e+00 2.053846714000000e+00 4.812488990880594e+00 1.00000000000000e+00 2.543754523940000e+00 1.200000000000000e+00 6.396589396098130e+00 3.056942973967400e+00 1.40000000000000e+00 8.360257439764991e+00 3.581500998500554e+00

1.341101800978972e-01

1.703994455141000e-01

2.131025993300781e-01

1.60000000000000e+00 1.80000000000000e+00 2.000000000000000e+00	1.080584539835136e+01 1.387067590945474e+01 1.773899017851845e+01	4.103016208185671e+00 4.604049611904662e+00 5.063500030404641e+00
4>		
X(o)	RK2	<b>Actual Values</b>
1.0000000000000000e+00	1.000000000000000e+00	1.00000000000000000e+00
1.100000000000000e+00	1.002267573696145e+00	1.004281727936202e+00
1.200000000000000e+00	1.011643061235780e+00	1.014952314033742e+00
1.30000000000000e+00	1.025634277263832e+00	1.029813688957985e+00
1.40000000000000e+00	1.042750304348276e+00	1.047533919252519e+00
1.50000000000000e+00	1.062048671207760e+00	1.067262354181873e+00
1.600000000000000e+00	1.082907166113279e+00	1.088432686945791e+00
1.700000000000000e+00	1.104900388802406e+00	1.110655052146264e+00
1.80000000000000e+00	1.127729037211403e+00	1.133653556733305e+00
1.90000000000000e+00	1.151177451082417e+00	1.157228433054669e+00
2.00000000000000e+00	1.175087097025272e+00	1.181232218299282e+00
<u>X(0)</u>	<u>Error</u>	
1.00000000000000e+00	0	
1.10000000000000e+00	2.014154240057353e-03	
1.20000000000000e+00	3.309252797961237e-03	
1.30000000000000e+00	4.179411694152702e-03	
1.40000000000000e+00	4.783614904243949e-03	
1.50000000000000e+00	5.213682974112954e-03	
1.60000000000000e+00	5.525520832511344e-03	
1.70000000000000e+00	5.754663343858102e-03	

5.924519521902649e-03

6.050981972252290e-03

6.145121274010013e-03

1.80000000000000e+00

1.90000000000000e+00

2.000000000000000e+00