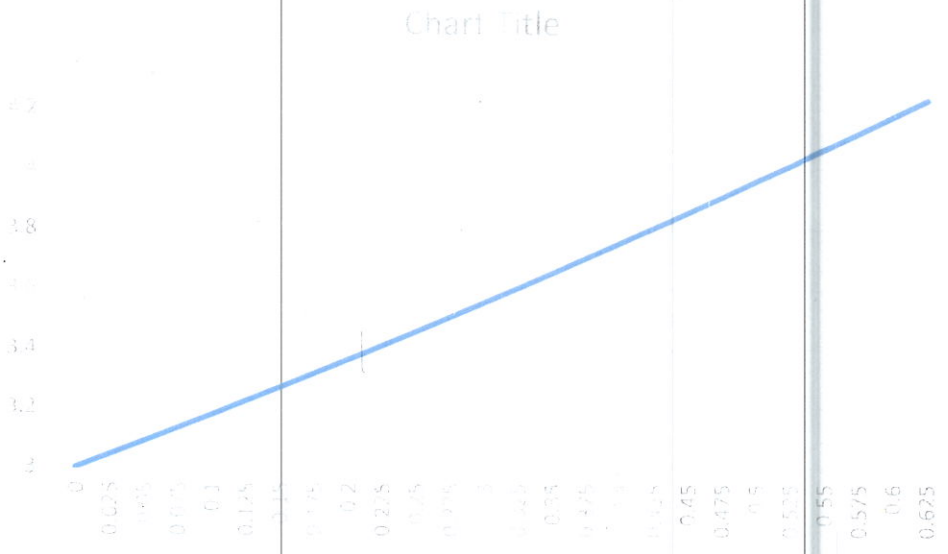
1a 212 #14 key

Step (n)	t_n	y_n	k_n1=f(t_n,y_n)	Delta_t=h	t_n+1/2h	y_n+1/2hk_n1	k_n2
0	0	3	1.732050808	0.025	0.0125	3.021650635	1.741881
1	0.025	3.043547	1.751726974	0.025	0.0375	3.065443978	1.761518
2	0.05	3.087586	1.771323144	0.025	0.0625	3.109727221	1.781075
3	0.075	3.132113	1.790841394	0.025	0.0875	3.154498416	1.800555
4	0.1	3.177127	1.810283712	0.025	0.1125	3.199755665	1.81996
5	0.125	3.222626	1.829652007	0.025	0.1375	3.245497118	1.839293
6	0.15	3.268609	1.848948111	0.025	0.1625	3.291720969	1.858553
7	0.175	3.315073	1.868173784	0.025	0.1875	3.338425459	1.877745
8	0.2	3.362017	1.887330717	0.025	0.2125	3.385608868	1.896868
9	0.225	3.409439	1.906420537	0.025	0.2375	3.43326952	1.915925
10	0.25	3.457338	1.92544481	0.025	0.2625	3.481405775	1.934918
11	0.275	3.505711	1.944405043	0.025	0.2875	3.530016033	1.953846
12	0.3	3.554557	1.963302688	0.025	0.3125	3.579098729	1.972714
13	0.325	3.603876	1.982139146	0.025	0.3375	3.628652334	1.99152
14	0.35	3.653664	2.000915766	0.025	0.3625	3.678675351	2.010267
15	0.375	3.703921	2.019633852	0.025	0.3875	3.729166318	2.028957
16	0.4	3.754645	2.03829466	0.025	0.4125	3.780123803	2.04759
17	0.425	3.805835	2.056899405	0.025	0.4375	3.831546403	2.066167
18	0.45	3.85749	2.07544926	0.025	0.4625	3.883432748	2.08469
19	0.475	3.909607	2.093945361	0.025	0.4875	3.935781493	2.10316
20	0.5	3.962186	2.112388804	0.025	0.5125	3.988591321	2.121578
21	0.525	4.015226	2.130780652	0.025	0.5375	4.041860944	2.139944
22	0.55	4.068725	2.149121931	0.025	0.5625	4.095589097	2.158261
23	0.575	4.122682	2.167413636	0.025	0.5875	4.14977454	2.176528
24	0.6	4.177095	2.185656732	0.025	0.6125	4.204416058	2.194747
25	0.625	4.231964	2.203852152	0.025	0.6375	4.259512461	2.212919



y_n+1/2hk_n2	k_n3	t_n+h	y_n+hk_n3	k_n4	y_(n+1)
3.021773517	1.741917	0.025	3.0435479	1.751727	3.043547
3.06556636	1.761552	0.05	3.0875862	1.771323	3.087586
3.109849116	1.781109	0.075	3.1321134	1.790842	3.132113
3.154619837	1.800589	0.1	3.1771276	1.810284	3.177127
3.199876623	1.819994	0.125	3.222627	1.829652	3.222626
3.245617625	1.839325	0.15	3.2686096	1.848948	3.268609
3.291841036	1.858586	0.175	3.3150738	1.868174	3.315073
3.338545096	1.877777	0.2	3.3620177	1.887331	3.362017
3.385728086	1.8969	0.225	3.4094397	1.906421	3.409439
3.433388328	1.915956	0.25	3.4573382	1.925445	3.457338
3.481524184	1.934948	0.275	3.5057114	1.944405	3.505711
3.530134051	1.953877	0.3	3.5545579	1.963303	3.554557
3.579216365	1.972743	0.325	3.603876	1.982139	3.603876
3.628769596	1.99155	0.35	3.6536643	2.000916	3.653664
3.678792248	2.010297	0.375	3.7039213	2.019634	3.703921
3.729282857	2.028986	0.4	3.7546455	2.038295	3.754645
3.780239991	2.047618	0.425	3.8058356	2.0569	3.805835
3.831662249	2.066195	0.45	3.85749	2.075449	3.85749
3.883548258	2.084718	0.475	3.9096076	2.093945	3.909607
3.935896674	2.103187	0.5	3.9621869	2.112389	3.962186
3.988706181	2.121605	0.525	4.0152266	2.130781	4.015226
4.041975488	2.139971	0.55	4.0687255	2.149122	4.068725
4.095703331	2.158287	0.575	4.1226823	2.167414	4.122682
4.149888471	2.176554	0.6	4.1770957	2.185657	4.177095
4.204529691	2.194773	0.625	4.2319647	2.203852	4.231964
4.259625802	2.212945	0.65	4.2872879	2.222001	4.287288

Step (n)	t_n	y_n	k_n1=f(t_n,y_n)	Delta_t=h	t_n+1/2h	y_n+1/2hk_n1	k_n2
0	0	-2	0.8	0.0125	0.00625	-1.995	0.805713
1	0.0125	-1.97651	0.820263707	0.0125	0.01875	-1.971385585	0.82617
2	0.025	-1.95276	0.841181198	0.0125	0.03125	-1.947498144	0.847292
3	0.0375	-1.92873	0.862779835	0.0125	0.04375	-1.923339771	0.869109
4	0.05	-1.90444	0.885088348	0.0125	0.05625	-1.898912431	0.891648
5	0.0625	-1.87989	0.908136917	0.0125	0.06875	-1.874217928	0.914942
6	0.075	-1.85508	0.931957273	0.0125	0.08125	-1.849257881	0.939023
7	0.0875	-1.83001	0.95658279	0.0125	0.09375	-1.824033691	0.963926
8	0.1	-1.80468	0.982048599	0.0125	0.10625	-1.798546514	0.989687
9	0.1125	-1.7791	1.008391698	0.0125	0.11875	-1.772797225	1.016344
10	0.125	-1.75326	1.035651076	0.0125	0.13125	-1.746786388	1.043938
11	0.1375	-1.72716	1.063867838	0.0125	0.14375	-1.720514223	1.072511
12	0.15	-1.70081	1.093085351	0.0125	0.15625	-1.693980573	1.102108
13	0.1625	-1.67421	1.12334938	0.0125	0.16875	-1.667184866	1.132777
14	0.175	-1.64734	1.154708244	0.0125	0.18125	-1.640126082	1.164568
15	0.1875	-1.62022	1.187212976	0.0125	0.19375	-1.612802716	1.197534
16	0.2	-1.59284	1.220917486	0.0125	0.20625	-1.58521274	1.231732
17	0.2125	-1.5652	1.255878733	0.0125	0.21875	-1.557353567	1.26722
18	0.225	-1.5373	1.292156896	0.0125	0.23125	-1.52922201	1.304061
19	0.2375	-1.50913	1.329815548	0.0125	0.24375	-1.500814243	1.342321
20	0.25	-1.48068	1.36892183	0.0125	0.25625	-1.472125762	1.382071
21	0.2625	-1.45196	1.409546606	0.0125	0.26875	-1.443151346	1.423384
22	0.275	-1.42296	1.451764618	0.0125	0.28125	-1.413885012	1.466339
23	0.2875	-1.39367	1.495654609	0.0125	0.29375	-1.384319978	1.511018
24	0.3	-1.36408	1.541299418	0.0125	0.30625	-1.354448619	1.557506
25	0.3125	-1.33419	1.588786024	0.0125	0.31875	-1.324262431	1.605896