## Program 122h

## (Function Tables)

**Program Description:** List the integers from 1 to 20, their squares, square roots, cubes, and fourth roots, all in a five column table.

Required Statements: output, loop control, math functions

## Sample Output:

Square	Square Root	Cube	4th Root
1	1.0000	1	1.0000
4	1.4142	8	1.1892
9	1.7321	27	1.3161
16	2.0000	64	1.4142
25	2.2361	125	1.4953
36	2.4495	216	1.5651
49	2.6458	343	1.6266
64	2.8284	512	1.6818
81	3.0000	729	1.7321
100	3.1623	1000	1.7783
121	3.3166	1331	1.8212
144	3.4641	1728	1.8612
169	3.6056	2197	1.8988
196	3.7417	2744	1.9343
225	3.8730	3375	1.9680
256	4.0000	4096	2.0000
289	4.1231	4913	2.0305
324	4.2426	5832	2.0598
361	4.3589	6859	2.0878
400	4.4721	8000	2.1147
	1 4 9 16 25 36 49 64 81 100 121 144 169 196 225 256 289 324 361	1 1.0000 4 1.4142 9 1.7321 16 2.0000 25 2.2361 36 2.4495 49 2.6458 64 2.8284 81 3.0000 100 3.1623 121 3.3166 144 3.4641 169 3.6056 196 3.7417 225 3.8730 256 4.0000 289 4.1231 324 4.2426 361 4.3589	1 1.0000 1   4 1.4142 8   9 1.7321 27   16 2.0000 64   25 2.2361 125   36 2.4495 216   49 2.6458 343   64 2.8284 512   81 3.0000 729   100 3.1623 1000   121 3.3166 1331   144 3.4641 1728   169 3.6056 2197   196 3.7417 2744   225 3.8730 3375   256 4.0000 4096   289 4.1231 4913   324 4.2426 5832   361 4.3589 6859

