

# 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:**

Number	Square	Square Root	Cube	4th Root
1	1	1.0000	1	1.0000
2	4	1.4142	8	1.1892
3	9	1.7321	27	1.3161
4	16	2.0000	64	1.4142
5	25	2.2361	125	1.4953
6	36	2.4495	216	1.5651
7	49	2.6458	343	1.6266
8	64	2.8284	512	1.6818
9	81	3.0000	729	1.7321
10	100	3.1623	1000	1.7783
11	121	3.3166	1331	1.8212
12	144	3.4641	1728	1.8612
13	169	3.6056	2197	1.8988
14	196	3.7417	2744	1.9343
15	225	3.8730	3375	1.9680
16	256	4.0000	4096	2.0000
17	289	4.1231	4913	2.0305
18	324	4.2426	5832	2.0598
19	361	4.3589	6859	2.0878
20	400	4.4721	8000	2.1147

