

Squares and Square Roots – may not use on exams!

## Appendix A.4 Squares and Square Roots

$n$	$n^2$	$\sqrt{n}$	$n$	$n^2$	$\sqrt{n}$	$n$	$n^2$	$\sqrt{n}$	$n$	$n^2$	$\sqrt{n}$
1	1	1.000	26	676	5.099	51	2601	7.141	76	5776	8.718
2	4	1.414	27	729	5.196	52	2704	7.211	77	5929	8.775
3	9	1.732	28	784	5.292	53	2809	7.280	78	6084	8.832
4	16	2.000	29	841	5.385	54	2916	7.348	79	6241	8.888
5	25	2.236	30	900	5.477	55	3025	7.416	80	6400	8.944
6	36	2.449	31	961	5.568	56	3136	7.483	81	6561	9.000
7	49	2.646	32	1024	5.657	57	3249	7.550	82	6724	9.055
8	64	2.828	33	1089	5.745	58	3364	7.616	83	6889	9.110
9	81	3.000	34	1156	5.831	59	3481	7.681	84	7056	9.165
10	100	3.162	35	1225	5.916	60	3600	7.746	85	7225	9.220
11	121	3.317	36	1296	6.000	61	3721	7.810	86	7396	9.274
12	144	3.464	37	1369	6.083	62	3844	7.874	87	7569	9.327
13	169	3.606	38	1444	6.164	63	3969	7.937	88	7744	9.381
14	196	3.742	39	1521	6.245	64	4096	8.000	89	7921	9.434
15	225	3.873	40	1600	6.325	65	4225	8.062	90	8100	9.487
16	256	4.000	41	1681	6.403	66	4356	8.124	91	8281	9.539
17	289	4.123	42	1764	6.481	67	4489	8.185	92	8464	9.592
18	324	4.243	43	1849	6.557	68	4624	8.246	93	8649	9.644
19	361	4.359	44	1936	6.633	69	4761	8.307	94	8836	9.695
20	400	4.472	45	2025	6.708	70	4900	8.367	95	9025	9.747
21	441	4.583	46	2116	6.782	71	5041	8.426	96	9216	9.798
22	484	4.690	47	2209	6.856	72	5184	8.485	97	9409	9.849
23	529	4.796	48	2304	6.928	73	5329	8.544	98	9604	9.899
24	576	4.899	49	2401	7.000	74	5476	8.602	99	9801	9.950
25	625	5.000	50	2500	7.071	75	5625	8.660	100	10,000	10.000