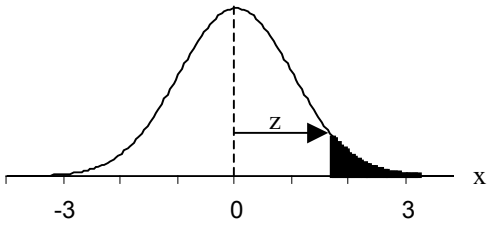
Standard Normal Distribution Table

Tail-End Z-Table

Area to the right of "z" in a Gaussian (normal) distribution, where "z" is expressed in units of σ (standard deviation).

Z(z) = Prob{ x > z }



Z	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
0.00	.500000	.496011	.492022	.488033	.484047	.480061	.476078	.472097	.468119	.464144
0.10	.460172	.456205	.452242	.448283	.444330	.440382	.436441	.432505	.428576	.424655
0.20	.420740	.416834	.412936	.409046	.405165	.401294	.397432	.393580	.389739	.385908
0.30	.382089	.378281	.374484	.370700	.366928	.363169	.359424	.355691	.351973	.348268
0.40	.344578	.340903	.337243	.333598	.329969	.326355	.322758	.319178	.315614	.312067
0.50	.308538	.305026	.301532	.298056	.294598	.291160	.287740	.284339	.280957	.277595
0.60	.274253	.270931	.267629	.264347	.261086	.257846	.254627	.251429	.248252	.245097
0.70	.241964	.238852	.235762	.232695	.229650	.226627	.223627	.220650	.217695	.214764
0.80	.211855	.208970	.206108	.203269	.200454	.197662	.194894	.192150	.189430	.186733
0.90	.184060	.181411	.178786	.176186	.173609	.171056	.168528	.166023	.163543	.161087
1.00	.158655	.156248	.153864	.151505	.149170	.146859	.144572	.142310	.140071	.137857
1.10	.135666	.133500	.131357	.129238	.127143	.125072	.123024	.121001	.119000	.117023
1.20	.115070	.113140	.111233	.109349	.107488	.105650	.103835	.102042	.100273	.098525
1.30	.096801	.095098	.093418	.091759	.090123	.088508	.086915	.085344	.083793	.082264
1.40	.080757	.079270	.077804	.076359	.074934	.073529	.072145	.070781	.069437	.068112
1.50	.066807	.065522	.064256	.063008	.061780	.060571	.059380	.058208	.057053	.055917
1.60	.054799	.053699	.052616	.051551	.050503	.049471	.048457	.047460	.046479	.045514
1.70	.044565	.043633	.042716	.041815	.040929	.040059	.039204	.038364	.037538	.036727
1.80	.035930	.035148	.034379	.033625	.032884	.032157	.031443	.030742	.030054	.029379
1.90	.028716	.028067	.027429	.026803	.026190	.025588	.024998	.024419	.023852	.023295
2.00	.022750	.022216	.021692	.021178	.020675	.020182	.019699	.019226	.018763	.018309
2.10	.017864	.017429	.017003	.016586	.016177	.015778	.015386	.015003	.014629	.014262
2.20	.013903	.013553	.013209	.012874	.012545	.012224	.011911	.011604	.011304	.011011
2.30	.010724	.010444	.010170	.009903	.009642	.009387	.009137	.008894	.008656	.008424
2.40	.008198	.007976	.007760	.007549	.007344	.007143	.006947	.006756	.006569	.006387
2.50	.006210	.006037	.005868	.005703	.005543	.005386	.005234	.005085	.004940	.004799
2.60	.004661	.004527	.004397	.004269	.004145	.004025	.003907	.003793	.003681	.003573
2.70	.003467	.003364	.003264	.003167	.003072	.002980	.002890	.002803	.002718	.002635
2.80	.002555	.002477	.002401	.002327	.002256	.002186	.002118	.002052	.001988	.001926
2.90	.001866	.001807	.001750	.001695	.001641	.001589	.001538	.001489	.001441	.001395
3.00	.001350	.001306	.001264	.001223	.001183	.001144	.001107	.001070	.001035	.001001
3.10	.000968	.000936	.000904	.000874	.000845	.000816	.000789	.000762	.000736	.000711
3.20	.000687	.000664	.000641	.000619	.000598	.000577	.000557	.000538	.000519	.000501
3.30	.000483	.000467	.000450	.000434	.000419	.000404	.000390	.000376	.000362	.000350
3.40	.000337	.000325	.000313	.000302	.000291	.000280	.000270	.000260	.000251	.000242
3.50	.000233	.000224	.000216	.000208	.000200	.000193	.000185	.000179	.000172	.000165
3.60	.000159	.000153	.000147	.000142	.000136	.000131	.000126	.000121	.000117	.000112
3.70	1.08E-04	1.04E-04	9.96E-05	9.58E-05	9.20E-05	8.84E-05	8.50E-05	8.16E-05	7.84E-05	7.53E-05
3.80	7.24E-05	6.95E-05	6.67E-05	6.41E-05	6.15E-05	5.91E-05	5.67E-05	5.44E-05	5.22E-05	5.01E-05
3.90	4.81E-05	4.62E-05	4.43E-05	4.25E-05	4.08E-05	3.91E-05	3.75E-05	3.60E-05	3.45E-05	3.31E-05
4.00	3.17E-05	3.04E-05	2.91E-05	2.79E-05	2.67E-05	2.56E-05	2.45E-05	2.35E-05	2.25E-05	2.16E-05

Z(4.5) = 3.40E-06 **Z**(5.0) = 2.87E-07 **Z**(5.5) = 1.90E-08 **Z**(6.0) = 9.90E-10 **Z**(6.5) = 4.04E-11