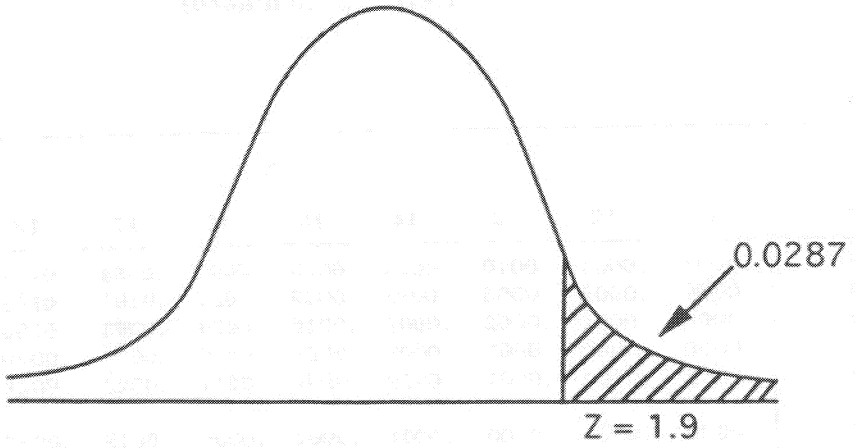
TABLE 3

Standardized Normal Probabilities:

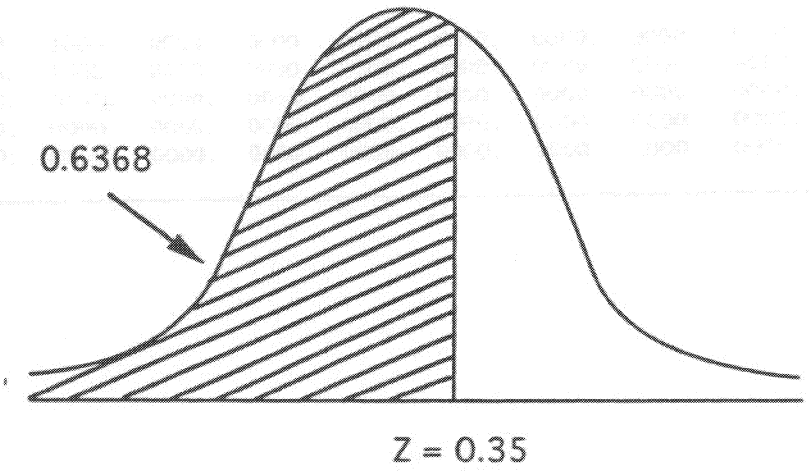
Areas to the Right of Indicated Z Value

(a)



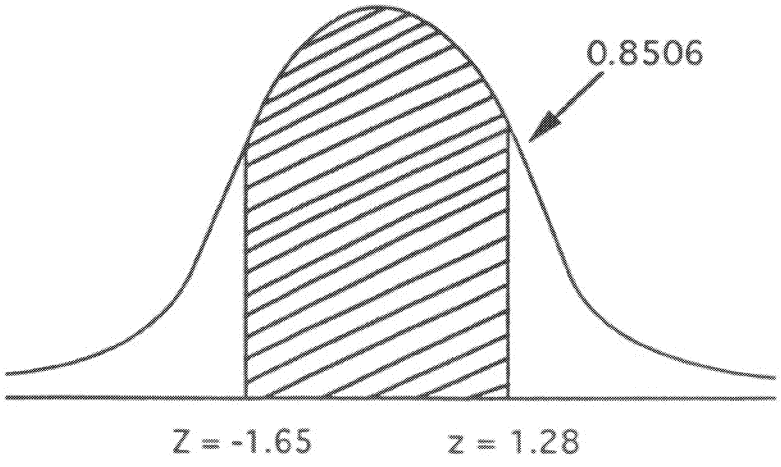
In order to find the area to the right of z = 1.9 look at the value given in Table 3 for z = 1.9. Thus, P(X>1.9) = 0.0287

(b)



In order to find the area to the left of z = 0.35 look at the value given in Table 3 for z = 0.35. Then subtract this value from 1. Thus, P(X<0.35) = 1-P(X>0.35) = 1-0.3632
= 0.6368

(c)



In order to find the area between z = -1.65 and z = 1.28 look at the value given at Table 3 for z = 1.28 and subtract it from the value given for z = -1.65. Thus P(x>-1.65) - P(X>1.28) = 0.9505 - 0.1003 = 0.8502.

Z	F(Z)	Z	F(Z)	Z	F(Z)	Z	F(Z)
-6,00	,999999999	-2,61	,9955	-2,03	,9788	-1,45	,9265
-5,50	,99999998	-2,60	,9953	-2,02	,9783	-1,44	,9251
-5,00	,99999971	-2,59	,9952	-2,01	,9778	-1,43	,9236
-4,50	,99999660	-2,58	,9951	-2,00	,9772	-1,42	,9222
-4,00	,99996833	-2,57	,9949	-1,99	,9767	-1,41	,9207
-3,80	,9999	-2,56	,9948	-1,98	,9761	-1,40	,9192
-3,60	,9998	-2,55	,9946	-1,97	,9756	-1,39	,9177
-3,40	,9997	-2,54	,9945	-1,96	,9750	-1,38	,9162
-3,20	,9993	-2,53	,9943	-1,95	,9744	-1,37	,9147
-3,10	,9990	-2,52	,9941	-1,94	,9738	-1,36	,9131
-3,09	,9990	-2,51	,9940	-1,93	,9732	-1,35	,9115
-3,08	,9990	-2,50	,9938	-1,92	,9726	-1,34	,9099
-3,07	,9989	-2,49	,9936	-1,91	,9719	-1,33	,9082
-3,06	,9989	-2,48	,9934	-1,90	,9713	-1,32	,9066
-3,05	,9989	-2,47	,9932	-1,89	,9706	-1,31	,9049
-3,04	,9988	-2,46	,9931	-1,88	,9699	-1,30	,9032
-3,03	,9988	-2,45	,9929	-1,87	,9693	-1,29	,9015
-3,02	,9987	-2,44	,9927	-1,86	,9686	-1,28	,8997
-3,01	,9987	-2,43	,9925	-1,85	,9678	-1,27	,8980
-3,00	,9987	-2,42	,9922	-1,84	,9671	-1,26	,8962
-2,99	,9986	-2,41	,9920	-1,83	,9664	-1,25	,8944
-2,98	,9986	-2,40	,9918	-1,82	,9656	-1,24	,8925
-2,97	,9985	-2,39	,9916	-1,81	,9649	-1,23	,8907
-2,96	,9985	-2,38	,9913	-1,80	,9641	-1,22	,8888
-2,95	,9984	-2,37	,9911	-1,79	,9633	-1,21	,8869
-2,94	,9984	-2,36	,9909	-1,78	,9625	-1,20	,8849
-2,93	,9983	-2,35	,9906	-1,77	,9616	-1,19	,8830
-2,92	,9982	-2,34	,9904	-1,76	,9608	-1,18	,8810
-2,91	,9982	-2,33	,9901	-1,75	,9599	-1,17	,8790
-2,90	,9981	-2,32	,9898	-1,74	,9591	-1,16	,8770
-2,89	,9981	-2,31	,9896	-1,73	,9582	-1,15	,8749
-2,88	,9980	-2,30	,9893	-1,72	,9573	-1,14	,8729
-2,87	,9979	-2,29	,9890	-1,71	,9564	-1,13	,8708
-2,86	,9979	-2,28	,9887	-1,70	,9554	-1,12	,8686
-2,85	,9978	-2,27	,9884	-1,69	,9545	-1,11	,8665
-2,84	,9977	-2,26	,9881	-1,68	,9535	-1,10	,8643
-2,83	,9977	-2,25	,9878	-1,67	,9525	-1,09	,8621
-2,82	,9976	-2,24	,9875	-1,66	,9515	-1,08	,8599
-2,81	,9975	-2,23	,9871	-1,65	,9505	-1,07	,8577
-2,80	,9974	-2,22	,9868	-1,64	,9495	-1,06	,8554
-2,79	,9974	-2,21	,9864	-1,63	,9484	-1,05	,8531
-2,78	,9973	-2,20	,9861	-1,62	,9474	-1,04	,8508
-2,77	,9972	-2,19	,9857	-1,61	,9463	-1,03	,8485
-2,76	,9971	-2,18	,9854	-1,60	,9452	-1,02	,8461
-2,75	,9970	-2,17	,9850	-1,59	,9441	-1,01	,8438
-2,74	,9969	-2,16	,9846	-1,58	,9429	-1,00	,8413
-2,73	,9968	-2,15	,9842	-1,57	,9418	-0,99	,8389
-2,72	,9967	-2,14	,9838	-1,56	,9406	-0,98	,8365
-2,71	,9966	-2,13	,9834	-1,55	,9394	-0,97	,8340
-2,70	,9965	-2,12	,9830	-1,54	,9382	-0,96	,8315
-2,69	,9964	-2,11	,9826	-1,53	,9370	-0,95	,8289
-2,68	,9963	-2,10	,9821	-1,52	,9357	-0,94	,8264
-2,67	,9962	-2,09	,9817	-1,51	,9345	-0,93	,8238
-2,66	,9961	-2,08	,9812	-1,50	,9332	-0,92	,8212
-2,65	,9960	-2,07	,9808	-1,49	,9319	-0,91	,8186
-2,64	,9959	-2,06	,9803	-1,48	,9306	-0,90	,8159
-2,63	,9957	-2,05	,9798	-1,47	,9292	-0,89	,8133
-2,62	,9956	-2,04	,9793	-1,46	,9279	-0,88	,8106

Z	F(Z)	Z	F(Z)	Z	F(Z)	Z	F(Z)
-0,87	,8078	-0,65	,7422	-0,43	,6664	-0,21	,5832
-0,86	,8051	-0,64	,7389	-0,42	,6628	-0,20	,5793
-0,85	,8023	-0,63	,7357	-0,41	,6591	-0,19	,5753
-0,84	,7995	-0,62	,7324	-0,40	,6554	-0,18	,5714
-0,83	,7967	-0,61	,7291	-0,39	,6517	-0,17	,5675
-0,82	,7939	-0,60	,7257	-0,38	,6480	-0,16	,5636
-0,81	,7910	-0,59	,7224	-0,37	,6443	-0,15	,5596
-0,80	,7881	-0,58	,7190	-0,36	,6406	-0,14	,5557
-0,79	,7852	-0,57	,7157	-0,35	,6368	-0,13	,5517
-0,78	,7823	-0,56	,7123	-0,34	,6331	-0,12	,5478
-0,77	,7794	-0,55	,7088	-0,33	,6293	-0,11	,5438
-0,76	,7764	-0,54	,7054	-0,32	,6255	-0,10	,5398
-0,75	,7734	-0,53	,7019	-0,31	,6217	-0,09	,5359
-0,74	,7704	-0,52	,6985	-0,30	,6179	-0,08	,5319
-0,73	,7673	-0,51	,6950	-0,29	,6141	-0,07	,5279
-0,72	,7642	-0,50	,6915	-0,28	,6103	-0,06	,5239
-0,71	,7611	-0,49	,6879	-0,27	,6064	-0,05	,5199
-0,70	,7580	-0,48	,6844	-0,26	,6026	-0,04	,5160
-0,69	,7549	-0,47	,6808	-0,25	,5987	-0,03	,5120
-0,68	,7517	-0,46	,6772	-0,24	,5948	-0,02	,5080
-0,67	,7486	-0,45	,6736	-0,23	,5910	-0,01	,5040
-0,66	,7454	-0,44	,6700	-0,22	,5871	0,00	,5000

Z	F(Z)	Z	F(Z)	Z	F(Z)	Z	F(Z)
0,00	,5000	0,33	,3707	0,66	,2546	0,99	,1611
0,01	,4960	0,34	,3669	0,67	,2514	1,00	,1587
0,02	,4920	0,35	,3632	0,68	,2483	1,01	,1562
0,03	,4880	0,36	,3594	0,69	,2451	1,02	,1539
0,04	,4840	0,37	,3557	0,70	,2420	1,03	,1515
0,05	,4801	0,38	,3520	0,71	,2389	1,04	,1492
0,06	,4761	0,39	,3483	0,72	,2358	1,05	,1469
0,07	,4721	0,40	,3446	0,73	,2327	1,06	,1446
0,08	,4681	0,41	,3409	0,74	,2296	1,07	,1423
0,09	,4641	0,42	,3372	0,75	,2266	1,08	,1401
0,10	,4602	0,43	,3336	0,76	,2236	1,09	,1379
0,11	,4562	0,44	,3300	0,77	,2206	1,10	,1357
0,12	,4522	0,45	,3264	0,78	,2177	1,11	,1335
0,13	,4483	0,46	,3228	0,79	,2148	1,12	,1314
0,14	,4443	0,47	,3192	0,80	,2119	1,13	,1292
0,15	,4404	0,48	,3156	0,81	,2090	1,14	,1271
0,16	,4364	0,49	,3121	0,82	,2061	1,15	,1251
0,17	,4325	0,50	,3085	0,83	,2033	1,16	,1230
0,18	,4286	0,51	,3050	0,84	,2005	1,17	,1210
0,19	,4247	0,52	,3015	0,85	,1977	1,18	,1190
0,20	,4207	0,53	,2981	0,86	,1949	1,19	,1170
0,21	,4168	0,54	,2946	0,87	,1922	1,20	,1151
0,22	,4129	0,55	,2912	0,88	,1894	1,21	,1131
0,23	,4090	0,56	,2877	0,89	,1867	1,22	,1112
0,24	,4052	0,57	,2843	0,90	,1841	1,23	,1093
0,25	,4013	0,58	,2810	0,91	,1814	1,24	,1075
0,26	,3974	0,59	,2776	0,92	,1788	1,25	,1056
0,27	,3936	0,60	,2743	0,93	,1762	1,26	,1038
0,28	,3897	0,61	,2709	0,94	,1736	1,27	,1020
0,29	,3859	0,62	,2676	0,95	,1711	1,28	,1003
0,30	,3821	0,63	,2643	0,96	,1685	1,29	,0985
0,31	,3783	0,64	,2611	0,97	,1660	1,30	,0968
0,32	,3745	0,65	,2578	0,98	,1635	1,31	,0951

Z	F(Z)	Z	F(Z)	Z	F(Z)	Z	F(Z)
1,32	,0934	1,80	,0359	2,28	,0113	2,76	,0029
1,33	,0918	1,81	,0351	2,29	,0110	2,77	,0028
1,34	,0901	1,82	,0344	2,30	,0107	2,78	,0027
1,35	,0885	1,83	,0336	2,31	,0104	2,79	,0026
1,36	,0869	1,84	,0329	2,32	,0102	2,80	,0026
1,37	,0853	1,85	,0322	2,33	,0099	2,81	,0025
1,38	,0838	1,86	,0314	2,34	,0096	2,82	,0024
1,39	,0823	1,87	,0307	2,35	,0094	2,83	,0023
1,40	,0808	1,88	,0301	2,36	,0091	2,84	,0023
1,41	,0793	1,89	,0294	2,37	,0089	2,85	,0022
1,42	,0778	1,90	,0287	2,38	,0087	2,86	,0021
1,43	,0764	1,91	,0281	2,39	,0084	2,87	,0021
1,44	,0749	1,92	,0274	2,40	,0082	2,88	,0020
1,45	,0735	1,93	,0268	2,41	,0080	2,89	,0019
1,46	,0721	1,94	,0262	2,42	,0078	2,90	,0019
1,47	,0708	1,95	,0256	2,43	,0075	2,91	,0018
1,48	,0694	1,96	,0250	2,44	,0073	2,92	,0018
1,49	,0681	1,97	,0244	2,45	,0071	2,93	,0017
1,50	,0668	1,98	,0239	2,46	,0069	2,94	,0016
1,51	,0655	1,99	,0233	2,47	,0068	2,95	,0016
1,52	,0643	2,00	,0228	2,48	,0066	2,96	,0015
1,53	,0630	2,01	,0222	2,49	,0064	2,97	,0015
1,54	,0618	2,02	,0217	2,50	,0062	2,98	,0014
1,55	,0606	2,03	,0212	2,51	,0060	2,99	,0014
1,56	,0594	2,04	,0207	2,52	,0059	3,00	,0013
1,57	,0582	2,05	,0202	2,53	,0057	3,01	,0013
1,58	,0571	2,06	,0197	2,54	,0055	3,02	,0013
1,59	,0559	2,07	,0192	2,55	,0054	3,03	,0012
1,60	,0548	2,08	,0188	2,56	,0052	3,04	,0012
1,61	,0537	2,09	,0183	2,57	,0051	3,05	,0011
1,62	,0526	2,10	,0179	2,58	,0049	3,06	,0011
1,63	,0516	2,11	,0174	2,59	,0048	3,07	,0011
1,64	,0505	2,12	,0170	2,60	,0047	3,08	,0010
1,65	,0495	2,13	,0166	2,61	,0045	3,09	,0010
1,66	,0485	2,14	,0162	2,62	,0044	3,10	,0010
1,67	,0475	2,15	,0158	2,63	,0043	3,20	,0007
1,68	,0465	2,16	,0154	2,64	,0041	3,40	,0003
1,69	,0455	2,17	,0150	2,65	,0040	3,60	,0002
1,70	,0446	2,18	,0146	2,66	,0039	3,80	,0001
1,71	,0436	2,19	,0143	2,67	,0038	4,00	,00003167
1,72	,0427	2,20	,0139	2,68	,0037	4,50	,00000340
1,73	,0418	2,21	,0136	2,69	,0036	5,00	,00000029
1,74	,0409	2,22	,0132	2,70	,0035	5,50	,00000002
1,75	,0401	2,23	,0129	2,71	,0034	6,00	,000000001
1,76	,0392	2,24	,0125	2,72	,0033		
1,77	,0384	2,25	,0122	2,73	,0032		
1,78	,0375	2,26	,0119	2,74	,0031		
1,79	,0367	2,27	,0116	2,75	,0030		