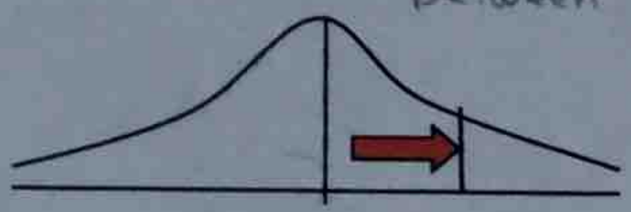
Z -Scores*

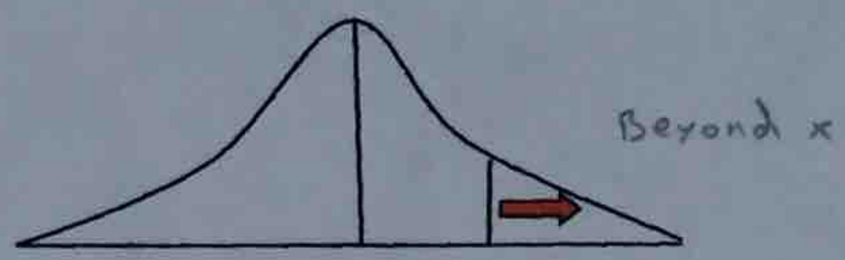
$$Z = \frac{x - x\ bar}{\sigma}$$ *x bar*=mean

A



x bar x

B



xbar x

Z .0	.0 Area between the Mean and X (curve A)	Area beyond X (curve B) .5
.1	.0398	.4602
.2	.0793	.4207
.3	.1179	.3821
.4	.1554	.3446
.5	.1915	.3085
.6	.2257	.2743
.7	.2580	.2420
.8	.2881	.2119
.9	.3159	.1841
1	.3413	.1587
1.1	.3643	.1357
1.2	.3849	.1151
1.3	.4032	.0968
1.4	.4192	.0808
1.5	.4332	.0668
1.6	.4452	.0548
1.7	.4554	.0446
1.8	.4641	.0359
1.9	.4713	.0287
2	.4772	.0228
2.1	.4821	.0179
2.2	.4861	.0139
2.3	.4893	.0107
2.4	.4918	.0082
2.5	.4838	.0062
2.6	.4953	.0047
2.7	.4965	.0035
2.8	.4974	.0026
2.9	.4981	.0019
3	.4987	.0013
3.1	.4990	.0010
3.2	.4993	.0007
3.3	.4995	.0005
3.4	.4997	.0003
3.5	.4998	.0002
3.6	.4998	.0002

*Adapted from "*Understanding Social Statistics*" by Jane Fielding and Nigel Gilbert.