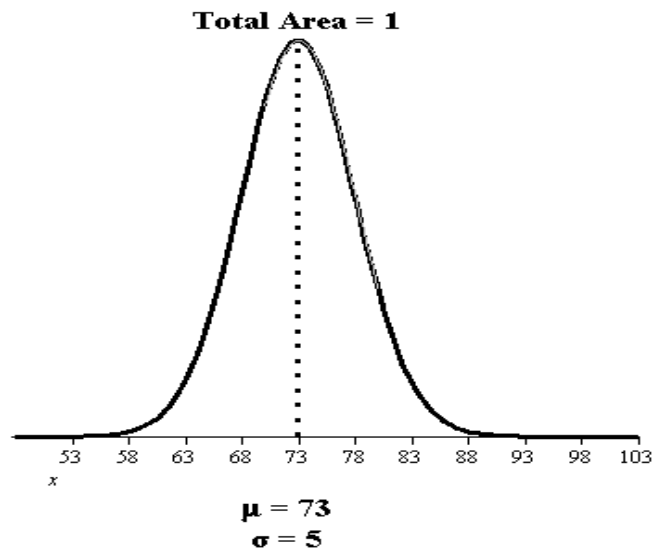


Normal Distribution



Properties:

1. The curve is bell-shaped with total area under the normal curve is 1.
2. Mean, mode, and median are all equal.
3. It is symmetrical about the mean μ .
4. Population mean μ and standard deviation σ are given.
5. Use x when working with normal distribution.
6. x is a continuous random variable with $P(x = a) = 0$

Good Practice and habit:

1. Always draw the bell-shaped curve.
 2. Always mark and label clearly the bell-shaped curve with μ, σ , and other important information related to the problem.
 3. Always shade the desired area under the normal curve related to the problem.
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