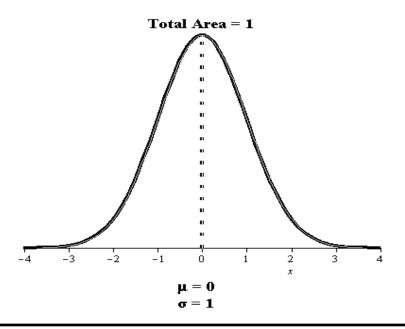
Standard Normal Distribution



Properties:

- 1. The curve is bell-shaped.
- 2. Total area under the normal curve is 1.
- 3. Mean, mode, and median are all equal.
- 4. It is symmetrical about the mean μ .
- **5.** $\mu = 0 \& \sigma = 1$
- 6. Use z when working with standard normal distribution.
- 7. z is a continuous random variable.
- **8.** P(z = 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.