1. What are sample means? How do they differ from sample proportions? Give examples.
2. Define the sampling distribution of a sample mean.
3. The mean and standard deviation of a population are parameters.
* What symbols are used to represent these parameters?
1. The mean and standard deviation of a sample are statistics.
* What symbols are used to represent these statistics?
1. What is the mean of the sampling distribution of $\overbar{x}$ , if $\overbar{x}$ is the mean of an SRS of size n drawn from a large population with mean μ and standard deviation σ? No conditions for this formula.
2. What is the standard deviation of the sampling distribution of $\overbar{x}$ , if $\overbar{x}$ is the mean of an SRS of size n drawn from a large population with mean μ and standard deviation σ? Describe the condition for this formula.
3. What is the 10% condition? When do you use it?
4. The shape of the distribution of the sample mean depends on …
5. Because averages (from a sampling distribution) are less variable than individual outcomes(selecting an individual from the population),
	1. What is true about the standard deviation of the sampling distribution of $\overbar{x}$ ?
	2. How does the probability from a sampling distribution differ the probability of selecting an individual from the population?
6. What is the Central Limit Theorem?
7. What are the 2 conditions to check for a normal distribution for sample means?