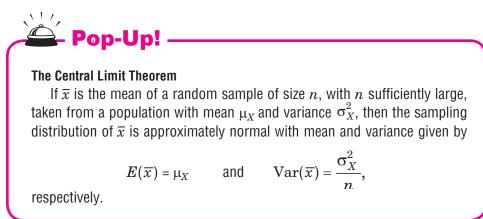
The Central Limit Theorem is another important theorem that is useful in finding the sampling distributions of x and other statistics.



This theorem is considered one of the most profound results in all of probability theory because it allows the use of statistical methods



It can be observed that:

• Regardless of the shape of the distribution of X, the shape of the sampling distribution of \overline{x} becomes approximately normal as the sample size n increases. Even if the distribution of X is uniform (figure 8.3) or positively skewed (figure 8.4), the sampling

