

TABLE 11.1**The Characteristics of Hypothesis Testing and Estimation**

	<i>Significance Testing</i>	<i>Point/Interval Estimation</i>
Do we know the population mean?	Yes—it is stated in the null hypothesis.	No—we are trying to estimate it.
What is the process used to determine?	The likelihood of obtaining a sample mean.	The value of a population mean.
What is learned?	Whether the population mean is likely to be correct.	The range of values within which the population mean is likely to be contained.
What is our decision?	To retain or reject the null hypothesis.	The population mean is estimated—there is no decision per se.