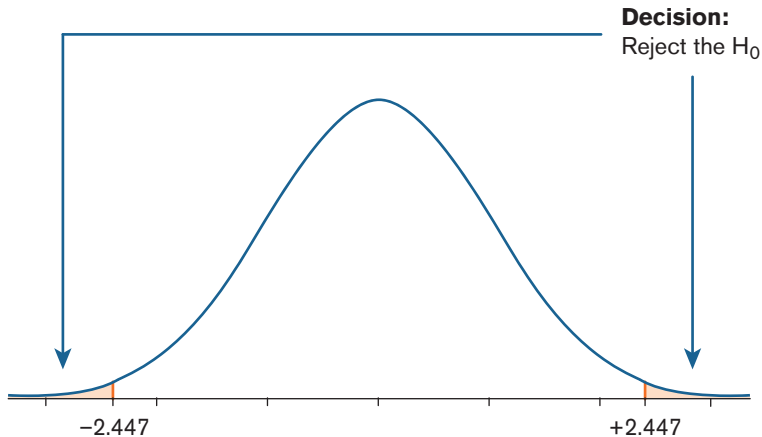


**FIGURE 10.5**

## Setting the Criteria for a Decision



The shaded areas show the rejection region for a  $t$  distribution with  $df = 6$ . The  $t$  critical cutoff is  $\pm 2.447$ . If the value of the test statistic falls in the shaded region, then we reject the null hypothesis; otherwise, we retain the null hypothesis.