

Table 9.3

Symbolic and Verbal Representations for One-Tailed Research and Null Hypotheses for a Related t Test

	<i>Symbolic</i>	<i>Verbal</i>	<i>Mean Difference Created by</i>
Research hypothesis (H_1)	$H_1: \mu_D < 0$	The population's mean anxiety score is lower after taking the antianxiety drug than before taking it.	The antianxiety drug lowering cholesterol
Null hypothesis (H_0)	$H_0: \mu_D \geq 0$	The population's mean anxiety score is not lower after taking the antianxiety drug than before taking it.	Sampling error