## **How to Identify** the **Null Hypothesis**



## VS.

## the **Alternative Hypothesis**

The Null Hypothesis (H <sub>o</sub> ):		The Alternative Hypothesis (Ha):	
Contains a <b>statement of <u>equality</u></b> :		The complement of the null hypothesis, which contains a <b>statement of strict inequality</b> :	
Mathematical Statements for H <sub>0</sub> :	<b>Words Statements for Ho:</b>	Mathematical Statements for Ha:	Words Statements for Ha:
2	"greater than or equal to"  "at least"  "not/no less than"  "not/no shorter than"	<	"less than" "fewer than" "below" "shorter than" "under"
≤	"less than or equal to" "at most" "not/no more than" "not/no longer than"	>	"greater than" "above" "more than" "higher than" "longer than"
=	"is equal to" "is" "is exactly" "is the same as" "did not change from" "did"	<b>≠</b>	"is not equal to"  "different from"  "changed from"  "did not equal"  "not"