**Problem # 7 Template (Difference Between Two Means)**

Pre-Step: Calculate the statistics from your sample.

|  |  |  |
| --- | --- | --- |
|  | Group # 1 | Group # 2 |
| Mean |  |  |
| Variance |  |  |
| Standard Deviation |  |  |
| Sample Size |  |  |

Step I: State the Null and Alternative Hypothesis



Step 2:

1. One-Tail or Two-Tail Test: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Choose a Test Statistic: \_\_\_\_\_\_\_\_\_\_
3. Critical Value of the Test Statistic: \_\_\_\_\_\_\_\_\_\_
4. Label your Decision Rule:

Step 3: Calculate the Statistic from the Data

Step 4: Clearly state your conclusion.