

**Hypothesis Tests and Confidence Intervals for the  
Graphing Calculator TI-84 (Hit Stat key, then Test key  
and select one of the options below)**

| <b>Confidence Interval</b>   | <b>Hypothesis Test</b>  |
|--|---|
| <b>Single Population</b>   |   |
| For mean Zinterval if $\sigma$ population standard deviation is known  | For mean Z-Test if $\sigma$ population standard deviation is known  |
| For mean Tinterval if $\sigma$ is unknown  | For mean T-Test if $\sigma$ is unknown  |
| For proportion 1-PropZint  | For proportion 1-PropZTest  |
| <b>Dual Population</b>   |   |
| For $\mu_d$ Dependent Pairs put first list in L1, second list in L2, in L3 type L1-L2 and then Tinterval switch to Data and under list type L3 | For $\mu_d$ Dependent Pairs put first list in L1, second list in L2, in L3 type L1-L2 and then T-Test switch to Data and under list type L3 |
| For $\mu_1$ - $\mu_2$ Two Independent Pairs if $\sigma_1$ , $\sigma_2$ are known 2-SampZint  | For $\mu_1$ - $\mu_2$ Two Independent Pairs if $\sigma_1$ , $\sigma_2$ are known 2-SampZTest  |
| For $\mu_1$ - $\mu_2$ Two Independent Pairs if $\sigma_1$ , $\sigma_2$ are unknown 2-SampTint  | For $\mu_1$ - $\mu_2$ Two Independent Pairs if $\sigma_1$ , $\sigma_2$ are unknown 2-SampTTest  |
| For proportions $p_1$ - $p_2$ 2-propZint   | For proportions $p_1$ - $p_2$ 2-propZTest   |