Confidence Interval about $\mu_1 - \mu_2$ when σ_1 and σ_2 are unknown

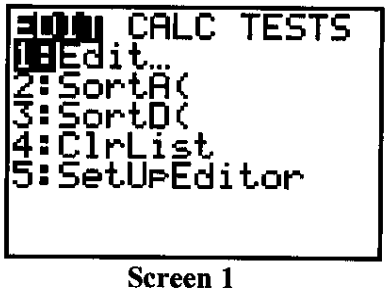
Select the **STAT** button, screen 1 should appear.

Select **TESTS**, screen 2 should appear.

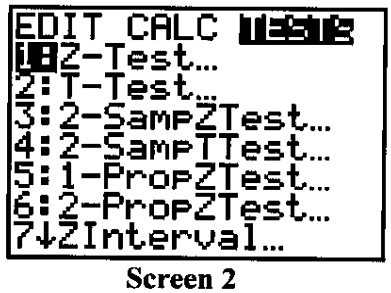
Select **0: 2-SampTInt...**, screen 3 should appear.

On screen 3, select **Stats** for Inpt:, $\bar{x}1$ is the sample mean for population 1, $Sx1$ is the sample standard deviation for population 1, $n1$ is the sample size for population 1, $\bar{x}2$ is the sample mean for population 2, $Sx2$ is the sample standard deviation for population 2, $n2$ is the sample size for population 2, C-Level is the confidence level, **Pooled**: select No

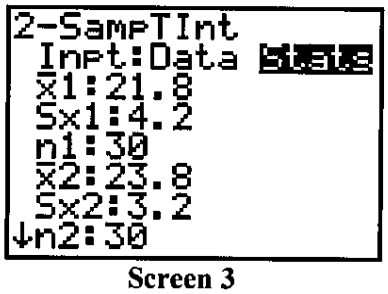
After entering all of this information select **Calculate** and the information will be displayed, screen 4.



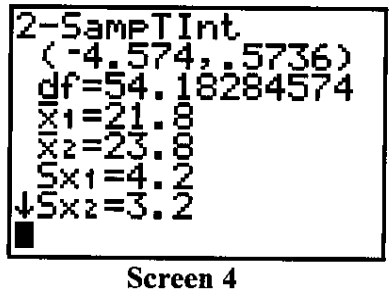
Screen 1



Screen 2



Screen 3



Screen 4

Note: On screen 4, the df is the degrees of freedom for the confidence interval. Always round the degrees of freedom down to nearest whole number.