

CALCULATING STANDARD DEVIATION (Ojakian – Modified from online document)

Mean: _____

n: _____

Test Score (<i>x</i>)	Difference from the mean (<i>x</i> - \bar{x})	(Difference from the mean) ² (<i>x</i> - \bar{x}) ²
Sum of (Difference from the mean) ² $\sum(x - \bar{x})^2$		

Sum of (Difference from the Mean)² divided by degrees of freedom (*n* - 1): _____ → This is called sample variance.

$$\frac{\sum(x - \bar{x})^2}{(n - 1)} =$$

Sample Standard deviation = square root of what you just calculated (sample variance).

Sample Standard deviation = $\sqrt{\frac{\sum(x - \bar{x})^2}{(n - 1)}}$ = _____.

For the population versions just change the “n-1” to an “n”.