



How to find the Intersection Point of Two Functions using Graphing on the Ti-83

1. Input the 2 functions into the calculator:
Push **$\underline{Y=}$** key
Input the first function beside Y1, Push **Enter**
Input the second function beside Y2
2. View graph
Push **graph** key
3. Find the intersection point of the 2 functions
Push **second function** and Push **Trace**
Push **5** for "Intersect"
Push **Enter** for First Curve
Push **Enter** for Second Curve
Push **Enter** for Guess
The calculator will give you the X and Y coordinates of the Intersection Point.
4. If an Intersection point is also a max or a min, you will need to go through the steps for finding a max or min instead of trying to find the Intersection Point.