**WolframAlpha Cheat Sheet**

First, go to the webpage at:

[www.wolframalpha.com](http://www.wolframalpha.com)

Take a moment of silence to marvel at the fact that such a website exists, and for free.

I will go over the main functions of WolframAlpha that you will make use of on this project, and you can take some notes on the back of this sheet. The best advice I can give you is to play around on this website and try different things – it is incredibly powerful and can do more than you can possibly imagine!

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After you get a sense of WolframAlpha, you should continue to finish up the work in the packet from Wednesday/Thursday and get it signed off by me. Try to use WolframAlpha to analyze your equations to figure out your optimal designs for the dishes. Since you have the project template already, you can even start typing in it to get your write-ups started.

**Drawing a 3-D box – The “Cuboid” operation**

**Drawing a graph – The “Plot” operation**

**Finding a low point on a graph – The “Local Minima” operation**

**Finding a high point on a graph – The “Local Maxima” operation**

**Going between “Exact Form” and “Approximate Form”**

**Inserting images from WolframAlpha into Google Docs**