Please use this template for documenting answers and plots from the in-class design workshop. Once completed, please save a PDF of this document and upload it to canvas for WS1.

**1.1**

What are your two functions? Show their plots.

**1.2**

What was the result from the f\_convex optimization and the f\_non\_convex function?

**Part 2**

Show the results of trying 4 different optimization methods and at least 2 initial conditions for each method. Do this for both the convex function and non-convex function that you have defined.