plot.sh design doc

goal: run monte_carlo to gain data, separate the data according to which values are needed for each plot, and send a heredoc of plot info to gnuplot.

sudo:

set up files, run monte_carlo 500 times

loop 1(each line of data):
      if data point's circle value is 1, put it in tempBlue file
      else, put in tempRed file

gnuplot
      set terminal pdf
      set output
      set xlabel
      set ylabel
      set zero axis
      set title
      plot red, blue, and circle curve

run monte_carlo 65536 times

loop 2(each line of data):
      take iteration value and difference between pi guess and pi into tempGreen file

gnuplot
      set terminal pdf
      set output
      set xlabel
      set ylabel
      set zero axis
      set title
      plot tempGreen.dat