MATH 3310 SPRING 2022 HOMEWORK 2
Due Friday February 24th 11:59pm by email

<div align="center">INSTRUCTIONS</div>

#1 You are given the following data

c	y
1	36
2	70
3	100
4	150
5	250
6	502
7	800
8	1224

Find the Lagrange polynomial that fits this data, plot the scatter plot of this data with this curve fit, and check if this curve is a good fit or not.

#2 Same data as above, fit a third degree polynomial to this data instead, do you think this is a good fit? Do you think this is a better fit than the graph found in #1?

#3 Same data as above but now first a 2nd degree polynomial to the data, determine which of these 3 fits you think is best and why.