EX.3.1.17, Sauer3

The estimated mean atmospheric concentration of carbon dioxide in earth's atmosphere is given in the table that follows, in parts per million by volume. Find the degree 3 interpolating polynomial of the data and use it to estimate the CO2 concentration in (a) 1950 and (b) 2050. (The actual concentration in 1950 was 310 ppm.)

year	CO_2 (ppm)
1800	280
1850	283
1900	291
2000	370

Please use COLAB for this problem.
No handwritten work! Please turn in a Colab Notebook