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Problem 1 Write Up

Estimated Functions:

$$\hat{y}_1(x) = 29.059x + 92.768$$

$$\hat{y}_2(x) = -2.111x^2 + 28.507x + 112.315$$

$$\hat{y}_3(x) = 1.757x^3 + -1.432x^2 + -0.331x + 101.866$$

$$\hat{y}_4(x) = -0.015x^4 + 1.754x^3 + -1.082x^2 + -0.256x + 100.915$$

$$\hat{y}_5(x) = -0.0004x^5 + -0.015x^4 + 1.767x^3 + -1.074x^2 + -0.323x + 100.887$$

Data Visualization:

