**Question 1**: How many parameters (i.e., weights) are present in each of the three models you used? Explain how you know/determined this. Answers given without an explanation or supporting calculations receive zero credit.

**Question 2:**Suppose we fit a 5th order polynomial to the same data. Based on trends in ***training*** loss you observed for the linear, quadratic and cubic models, do you expect training loss for the 5th order polynomial to be higher or lower than the cubic polynomial? Explain the rationale for your answer.

**Question 3**: If any of these models overfit the training data, what would you expect to see in the results?

**Question 4**: When considering both model accuracy and model complexity, which of the three models do you consider to be best? That is, which would you say should be the final model selected for this problem? Explain your reasoning.