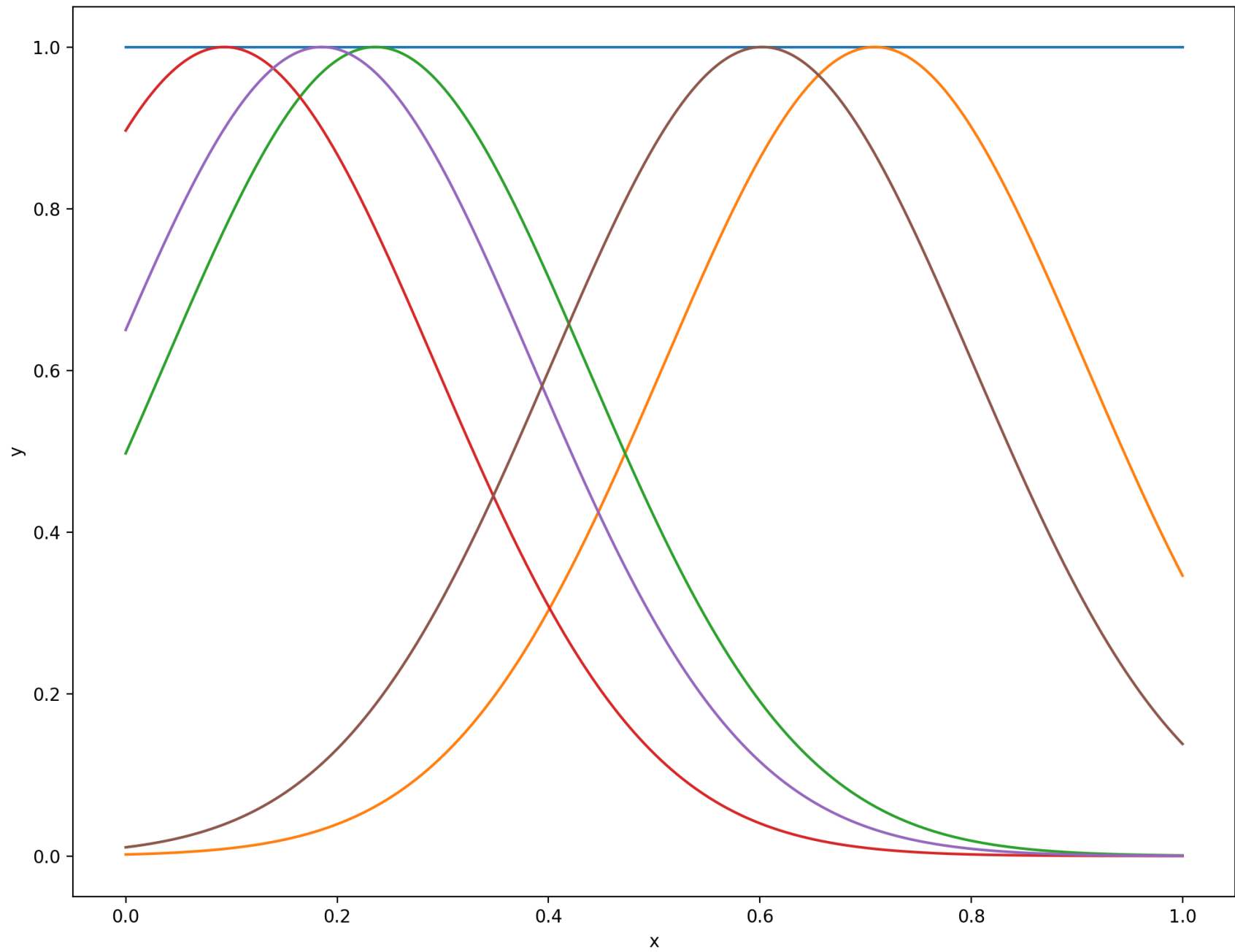
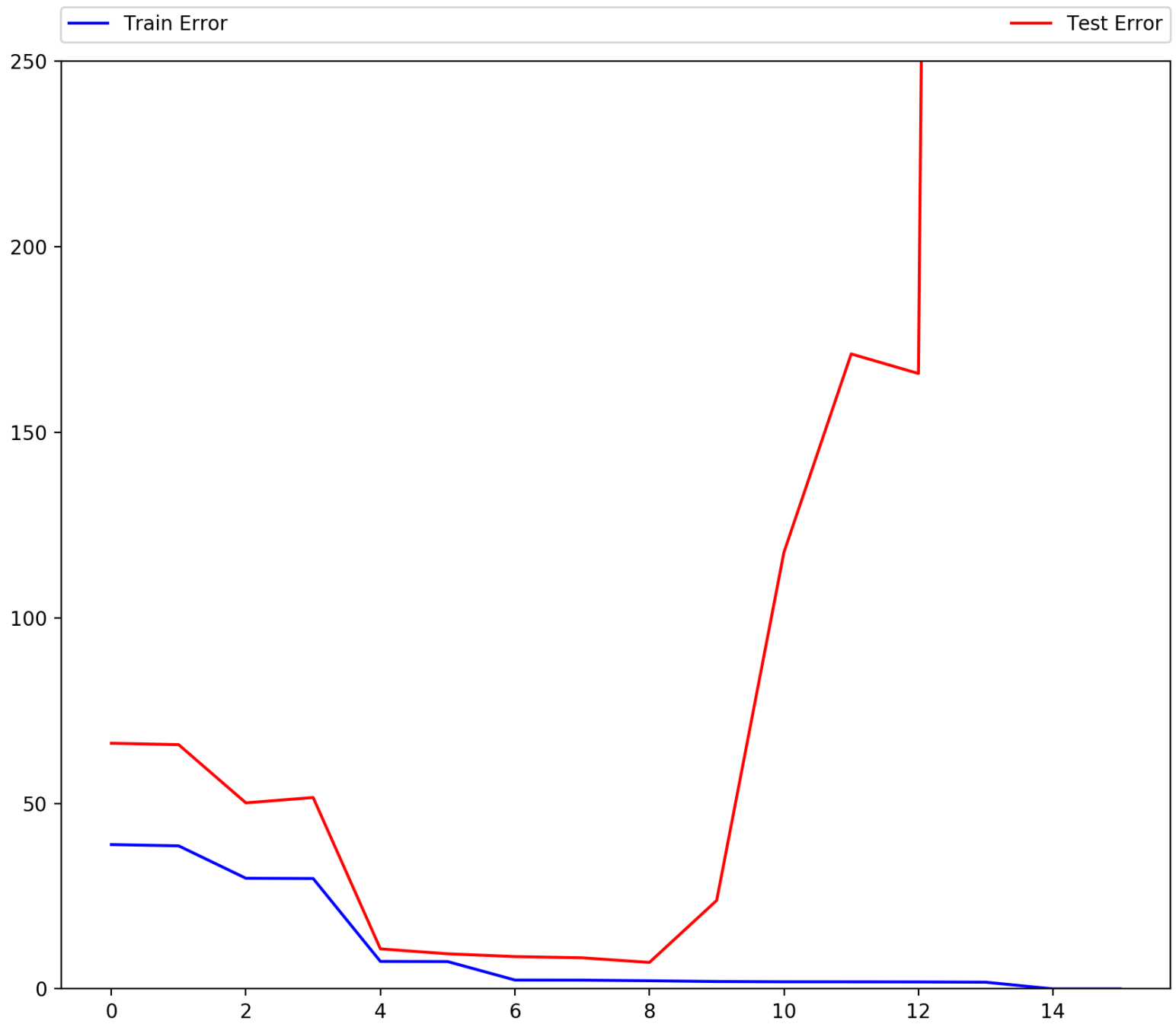


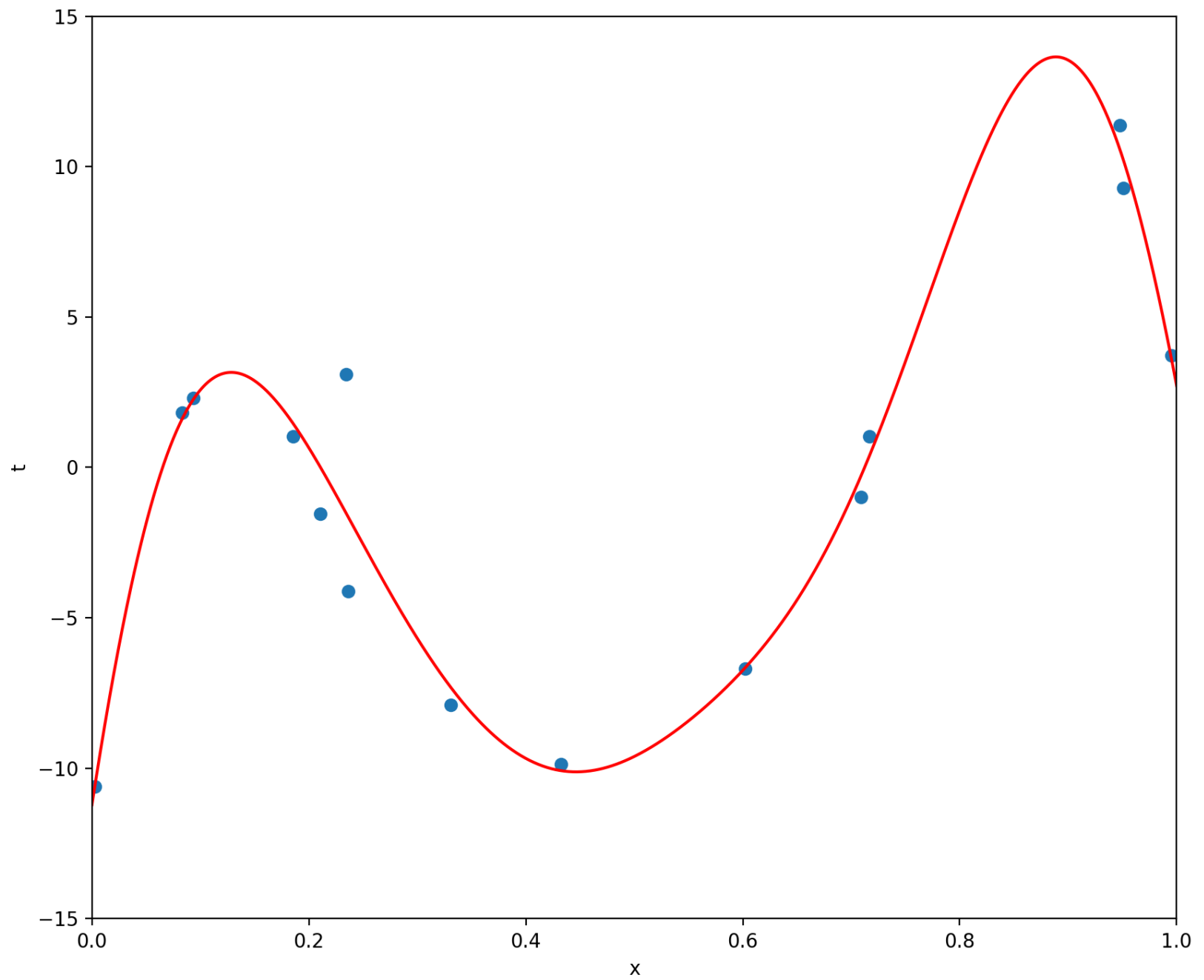
Question 4(b): some basis functions with sigma = 0.2



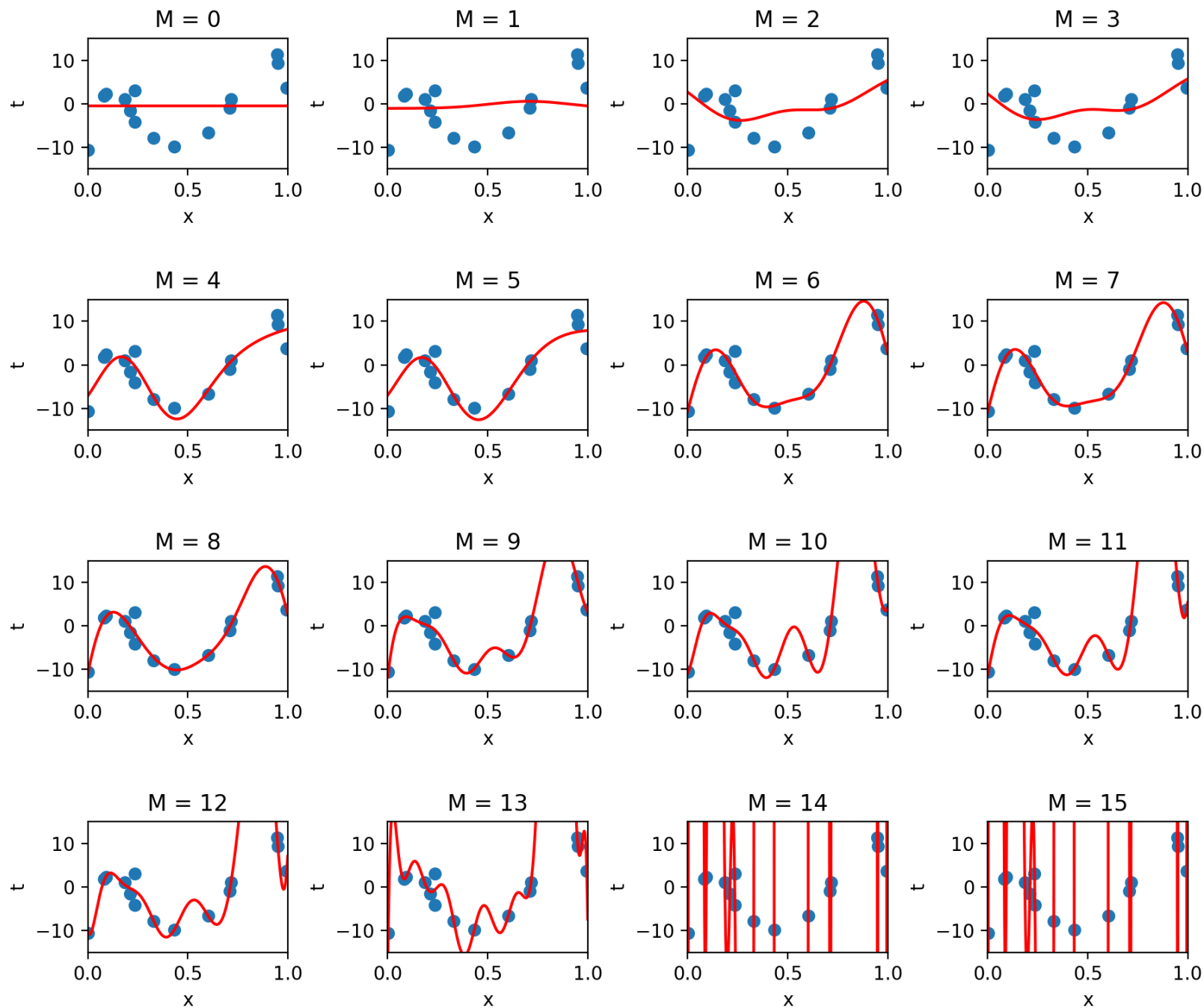
Question 4(f): training and test error



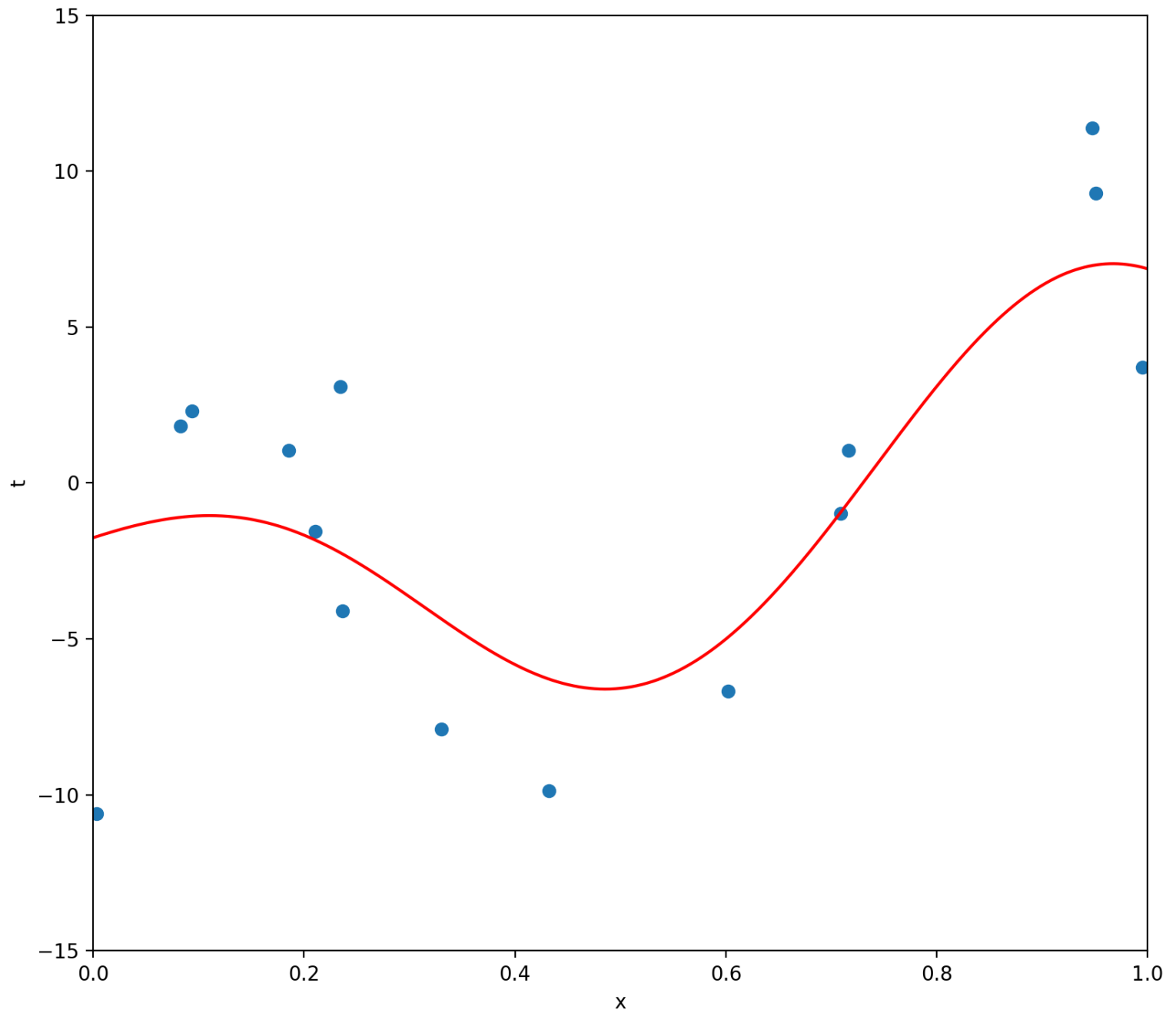
Question 4(f): best-fitting function (8 basis functions)



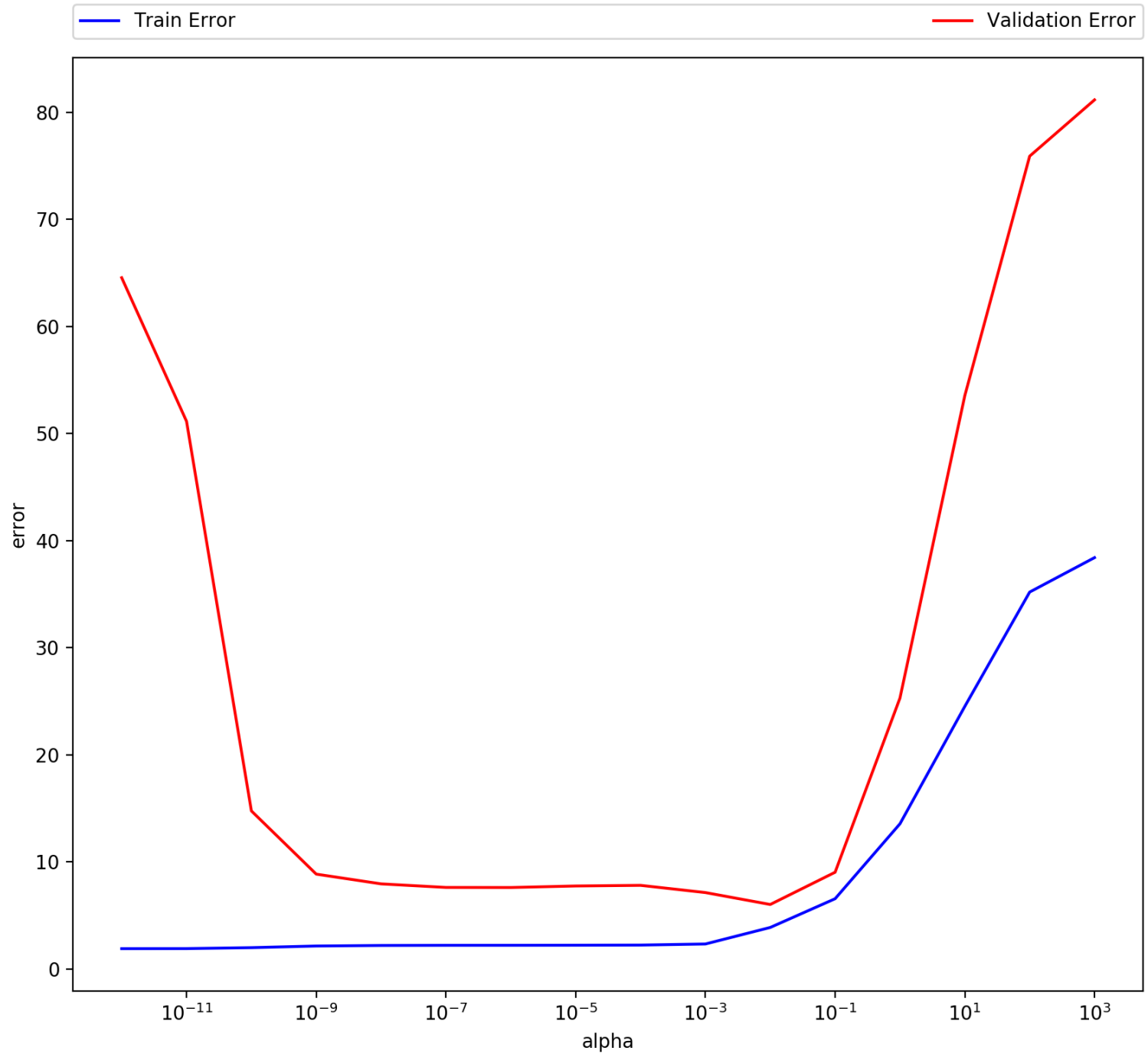
Question 4 (f) Best-Fitting functions with 0-15 basis functions



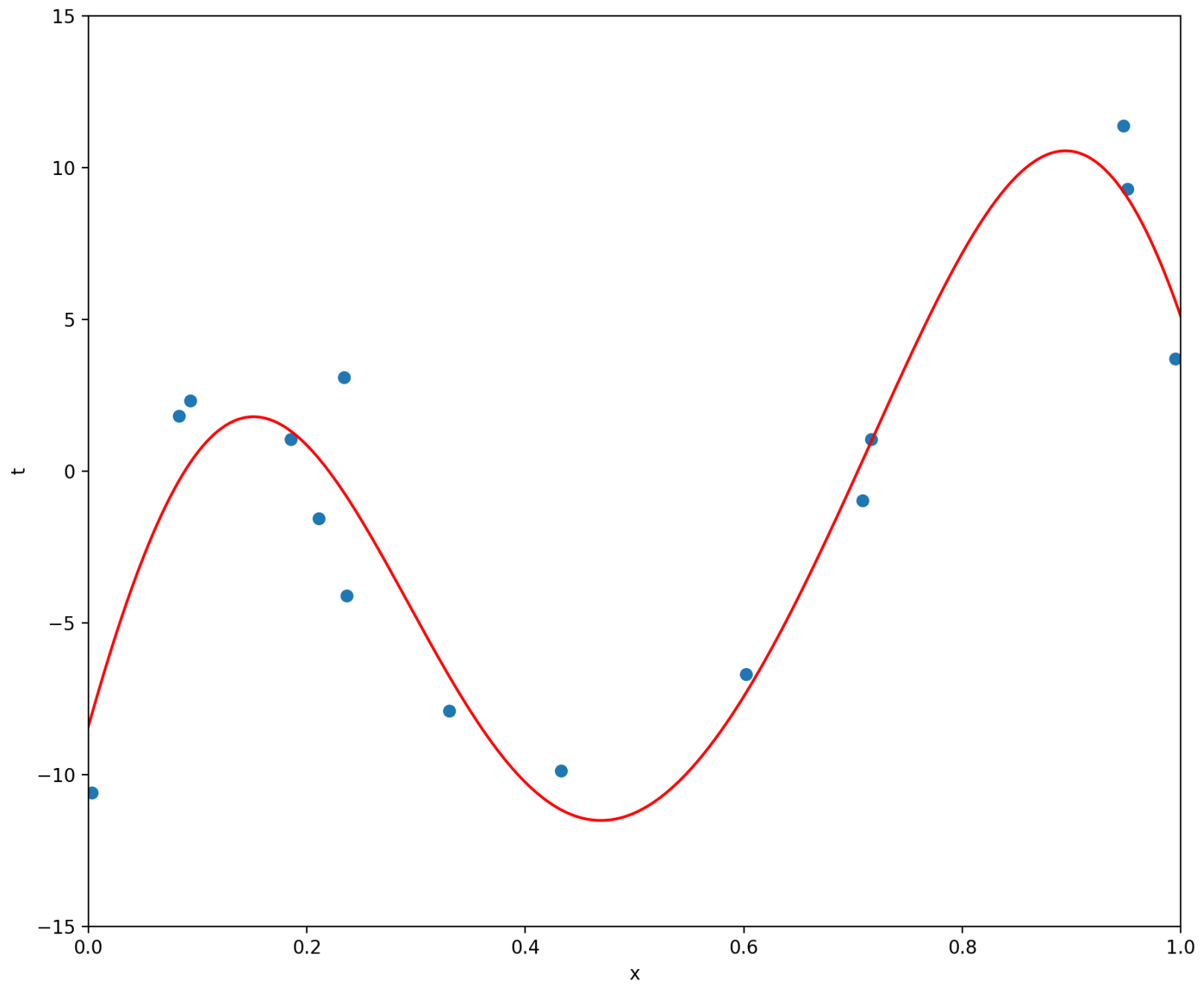
Question 5(b): the fitted function (alpha=1)



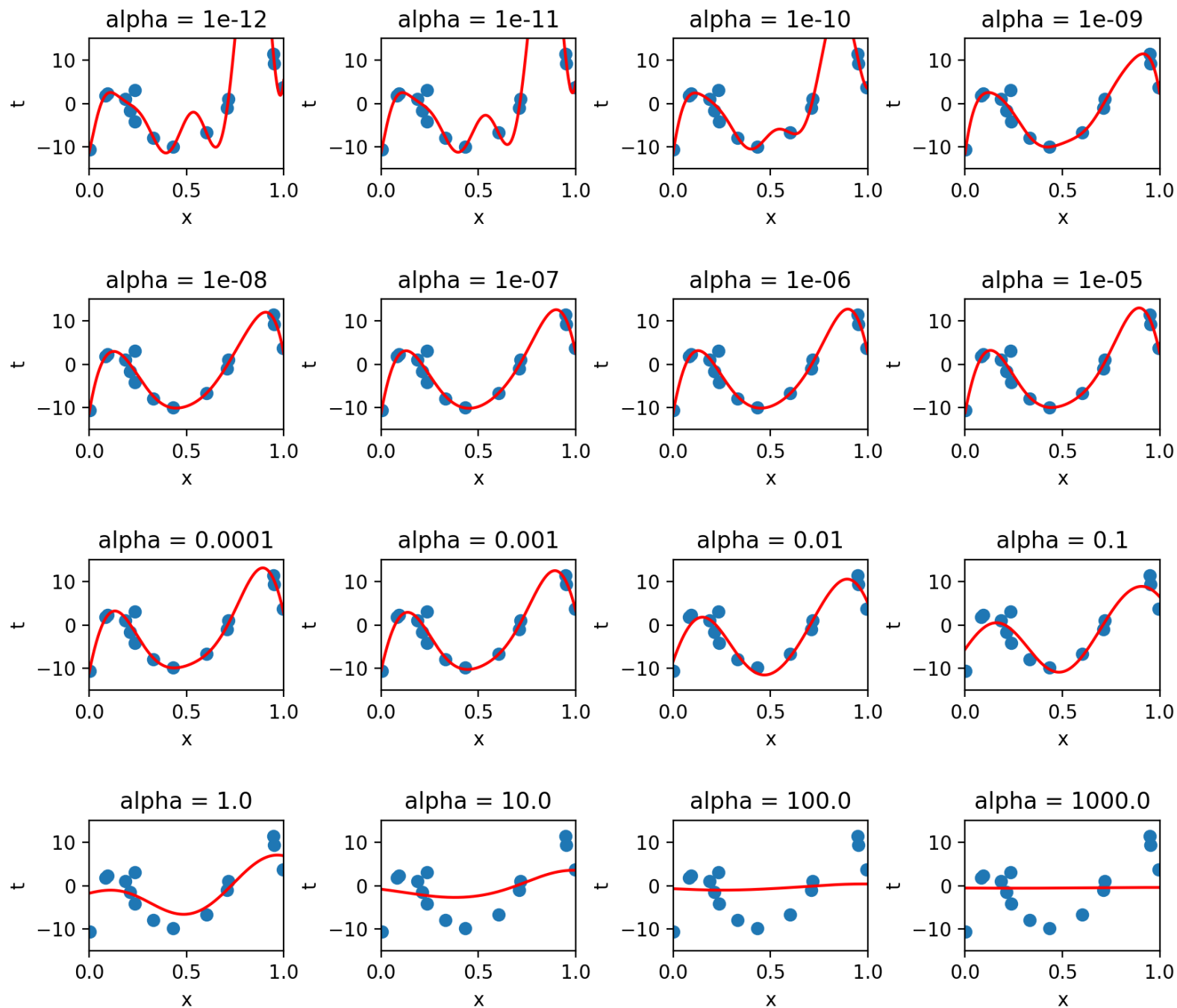
Question 5(c): training and validation error



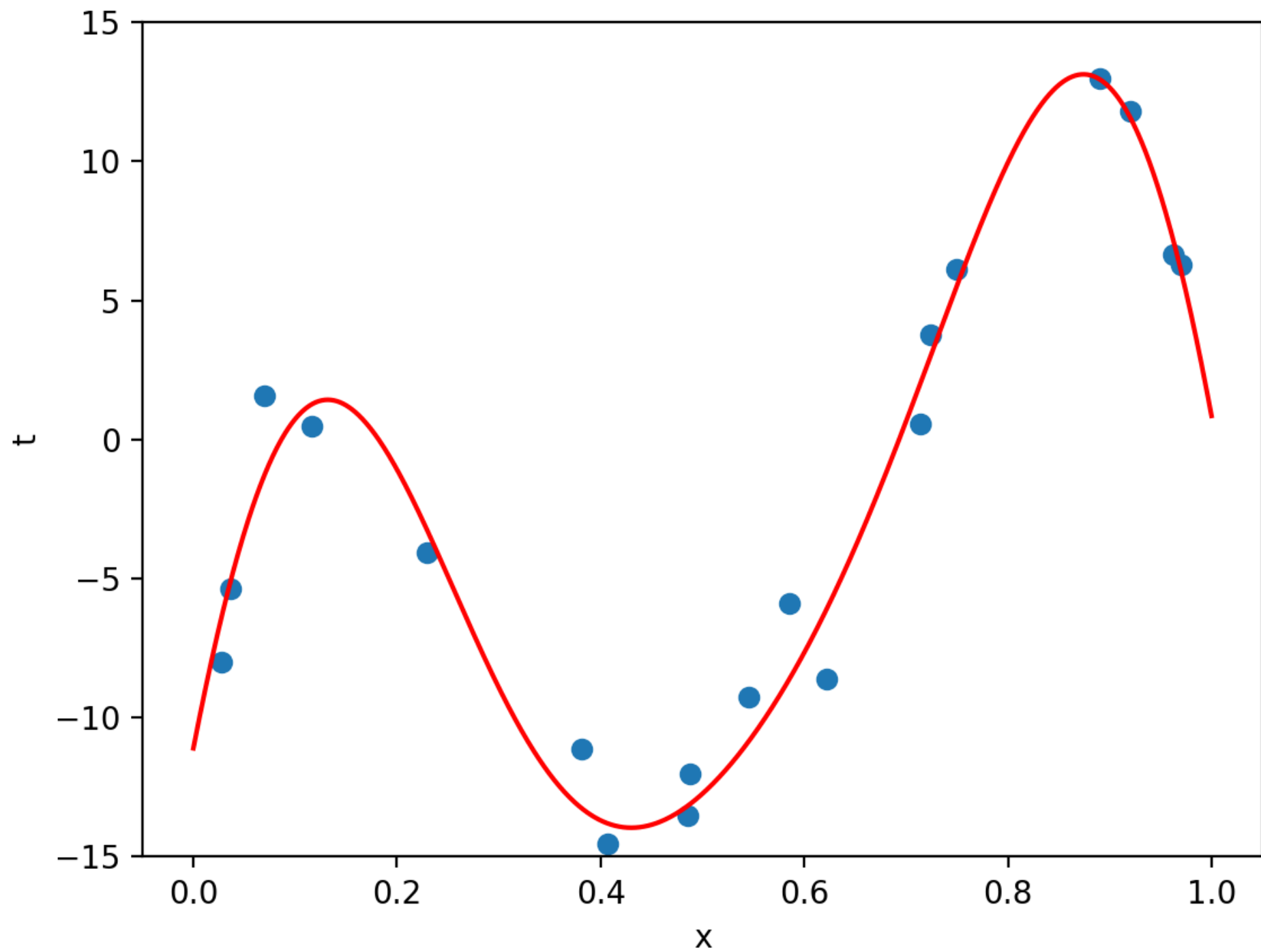
Question 5(c): best-fitting function (alpha = 0.01)



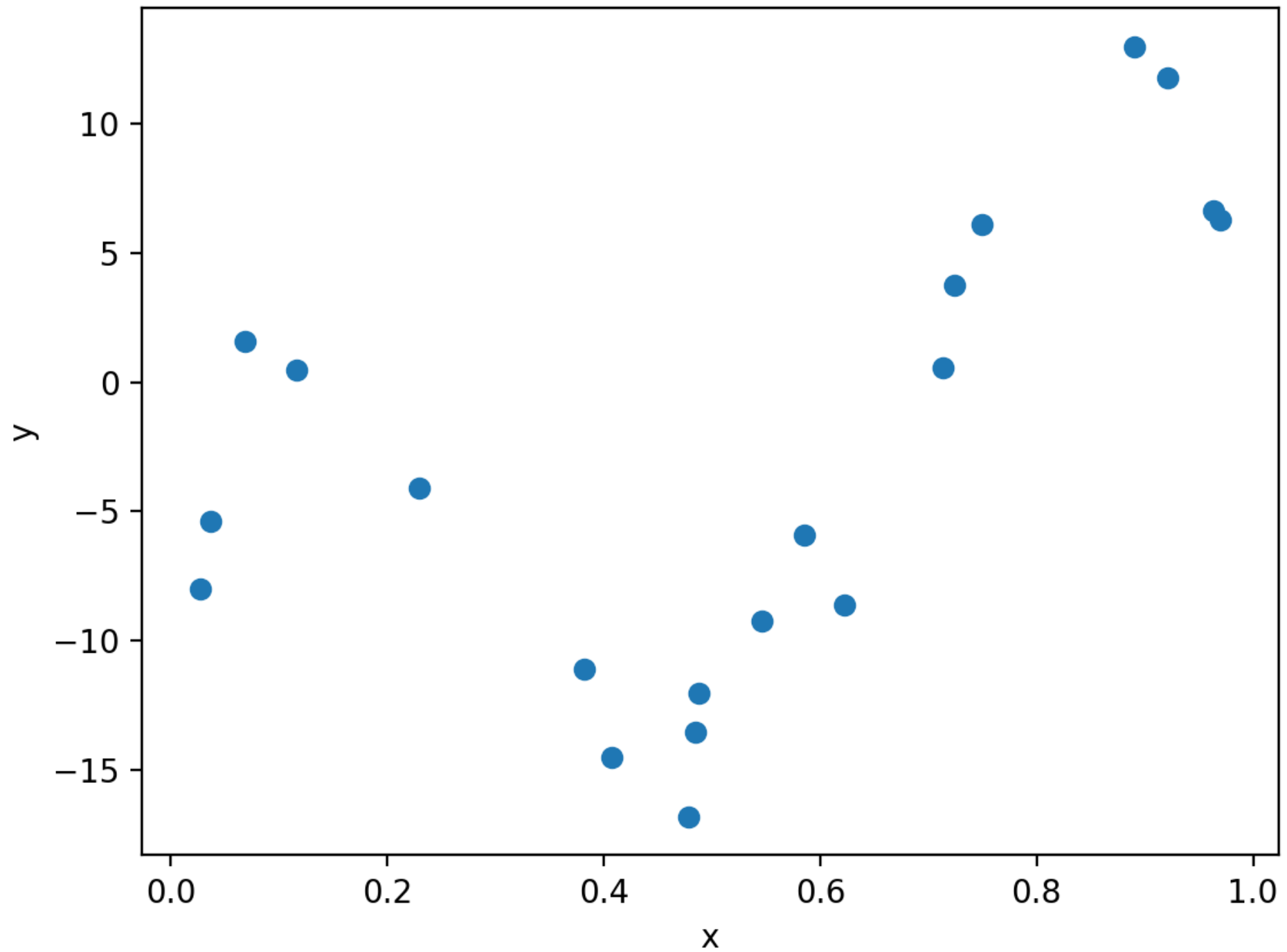
Question 5 (c) Best-Fitting functions for $\log(\alpha) = -12, -11, \dots, 0, 1, 2, 3$



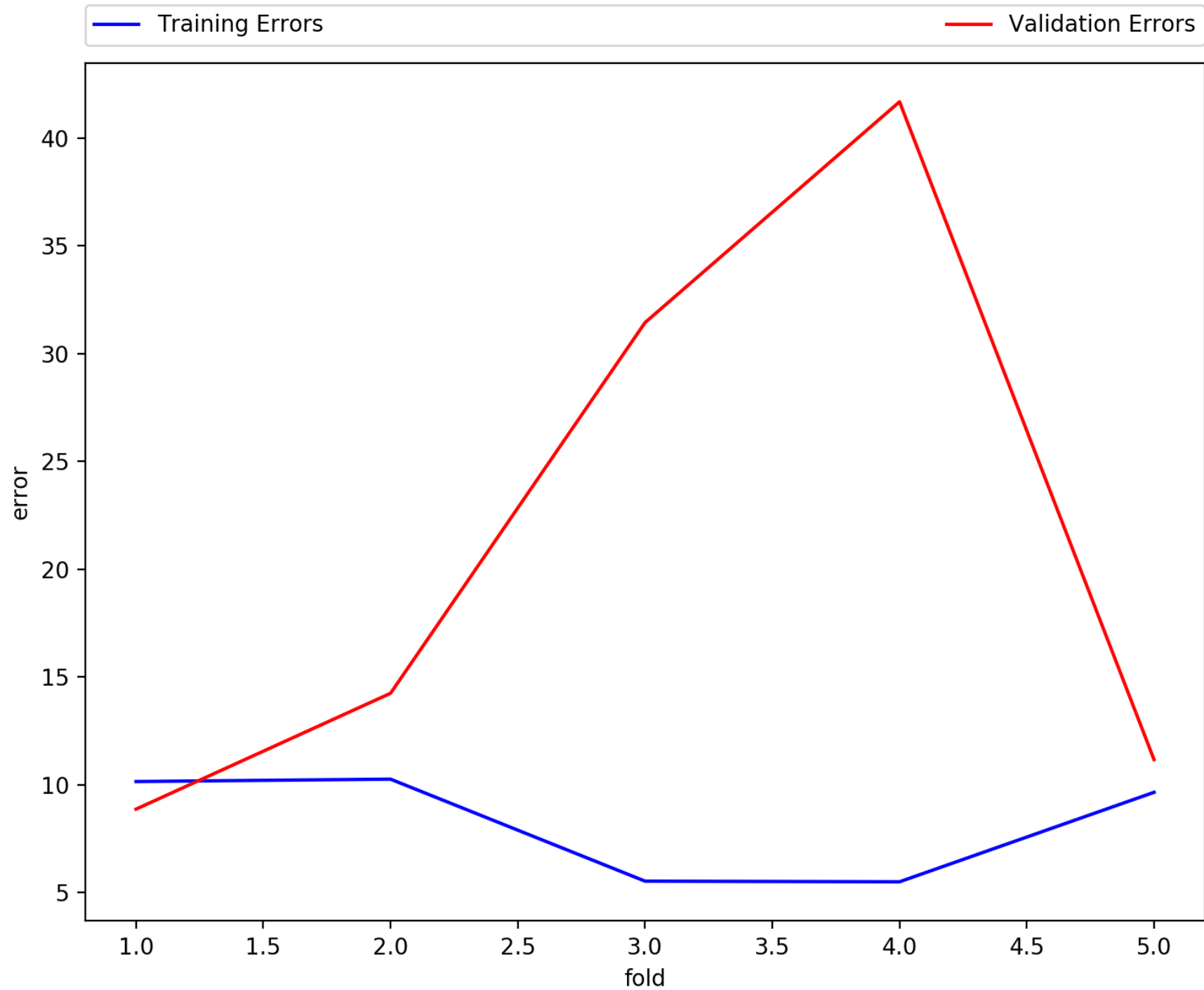
Question 6(d): best-fitting function $\alpha=0.001$



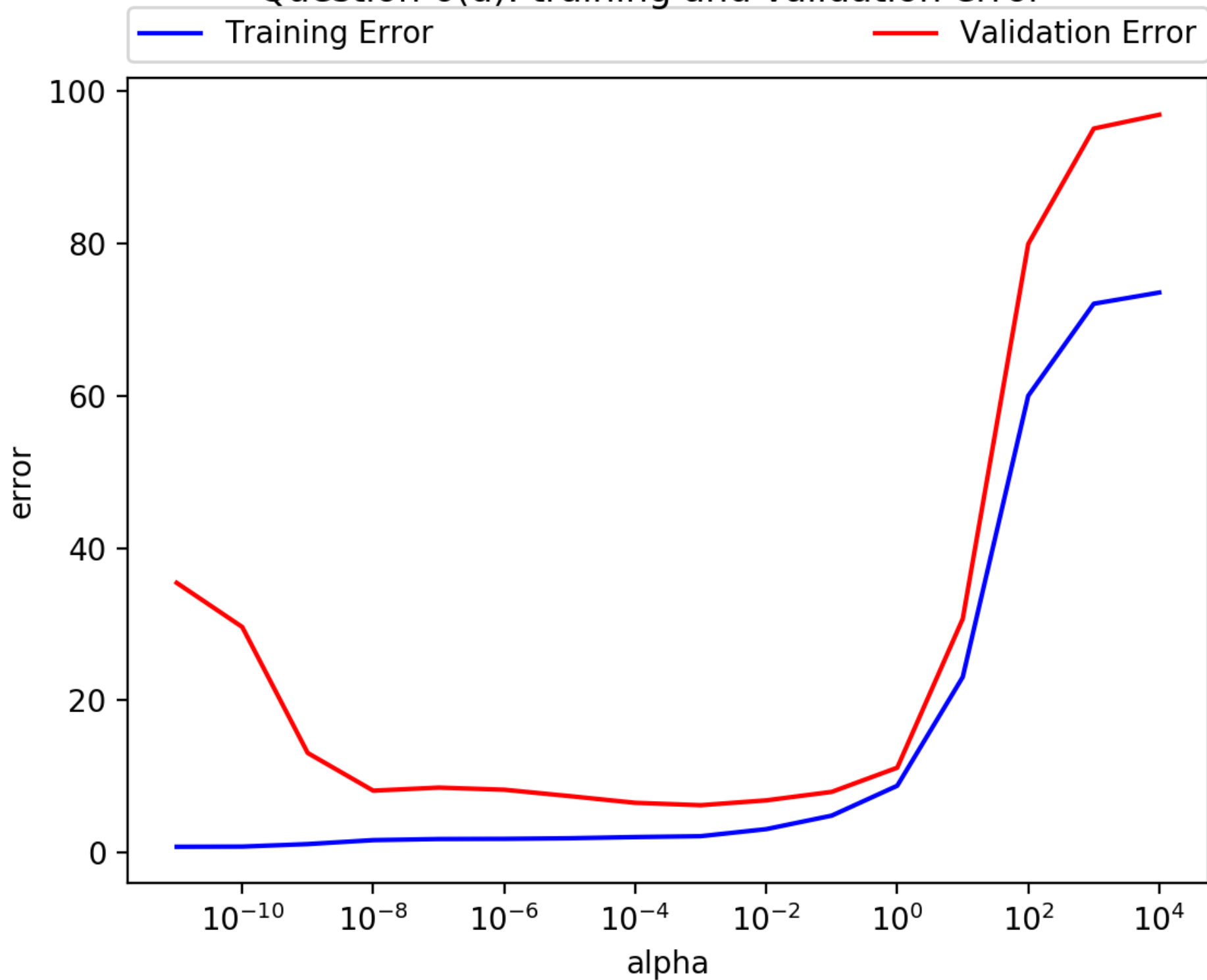
Question 6(a): Training data for Question 6



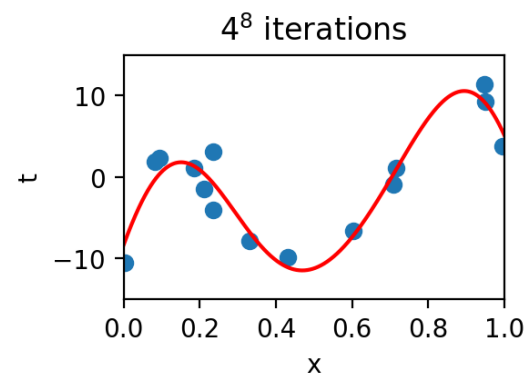
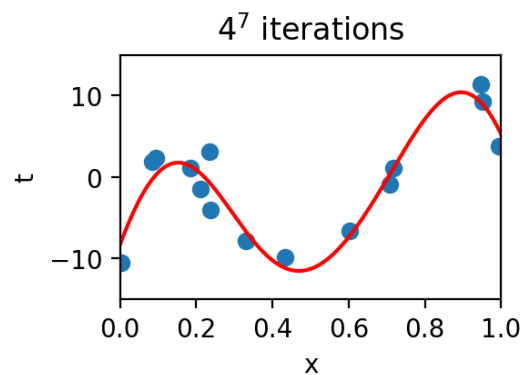
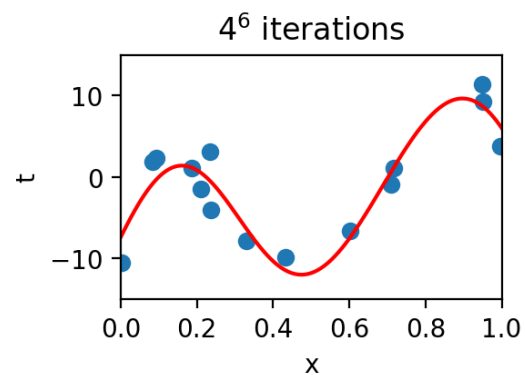
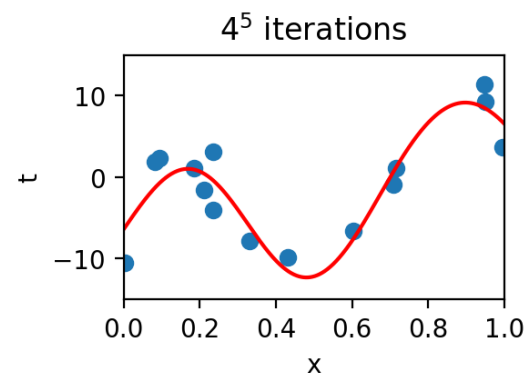
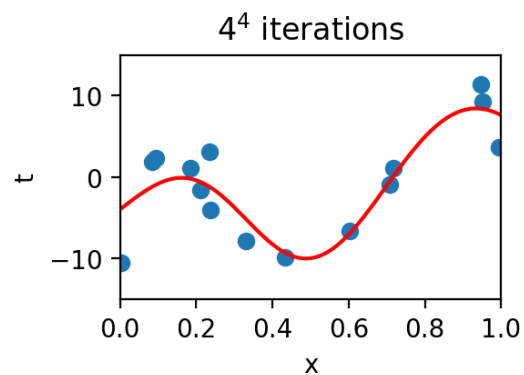
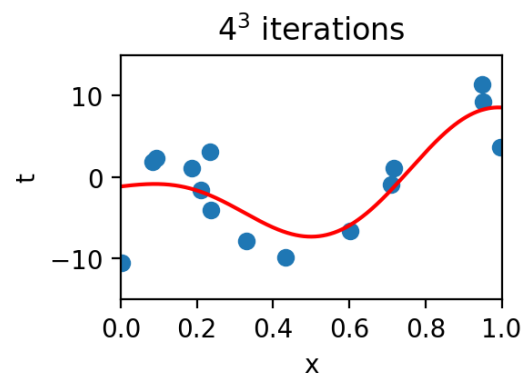
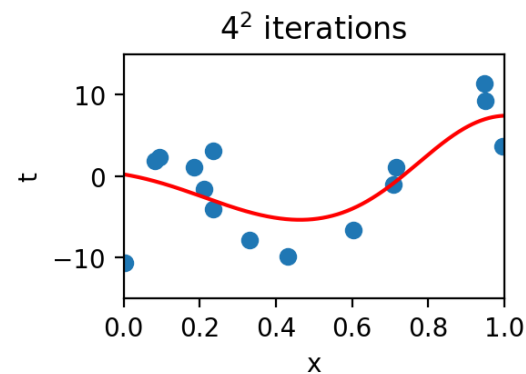
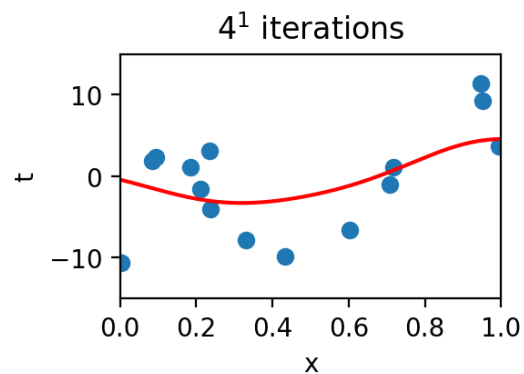
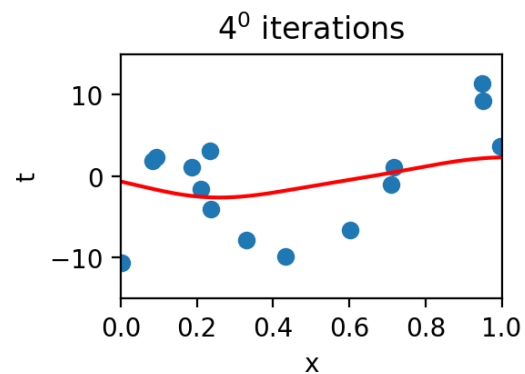
Question 6(c): training and validation errors during cross validation



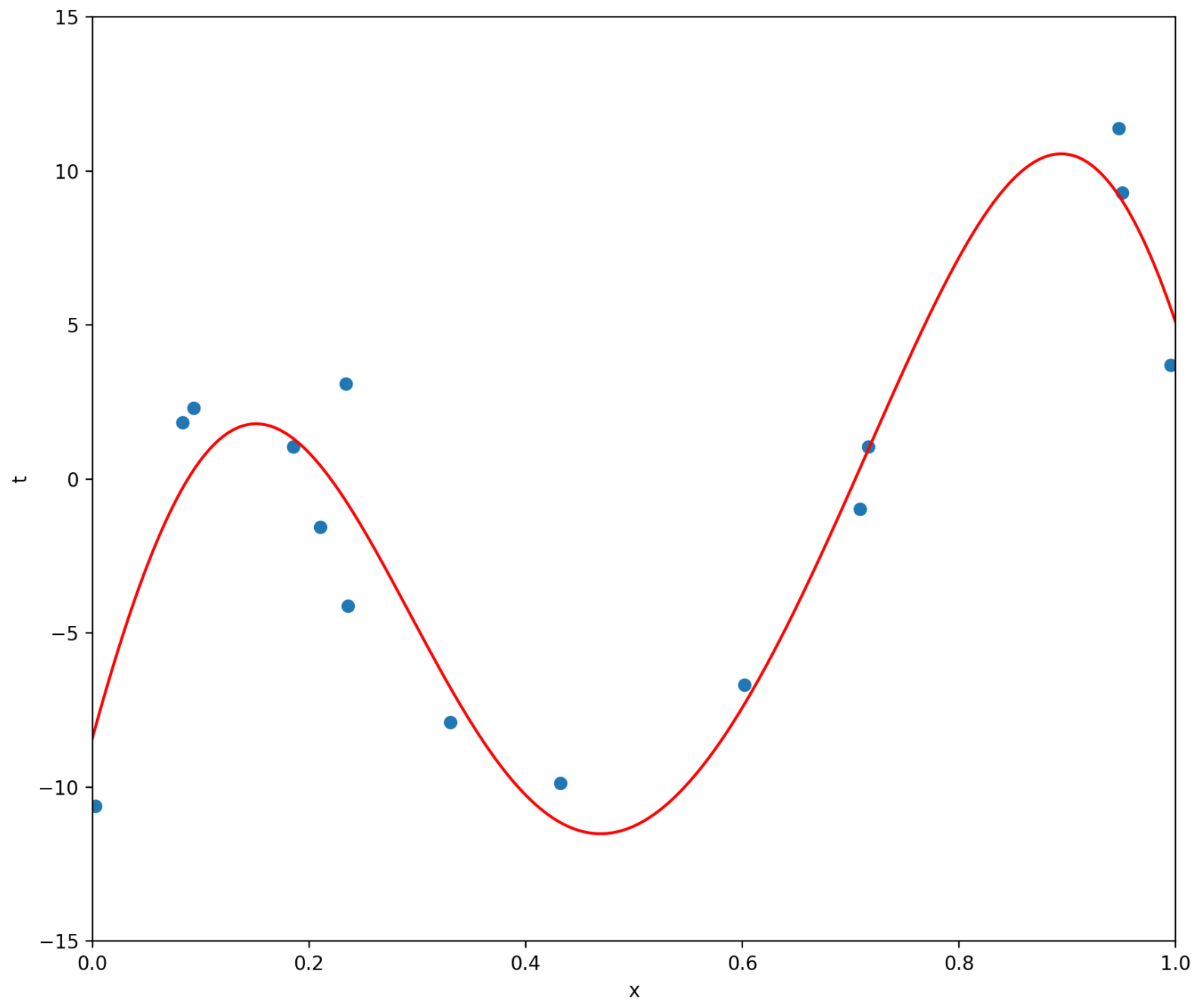
Question 6(d): training and validation error



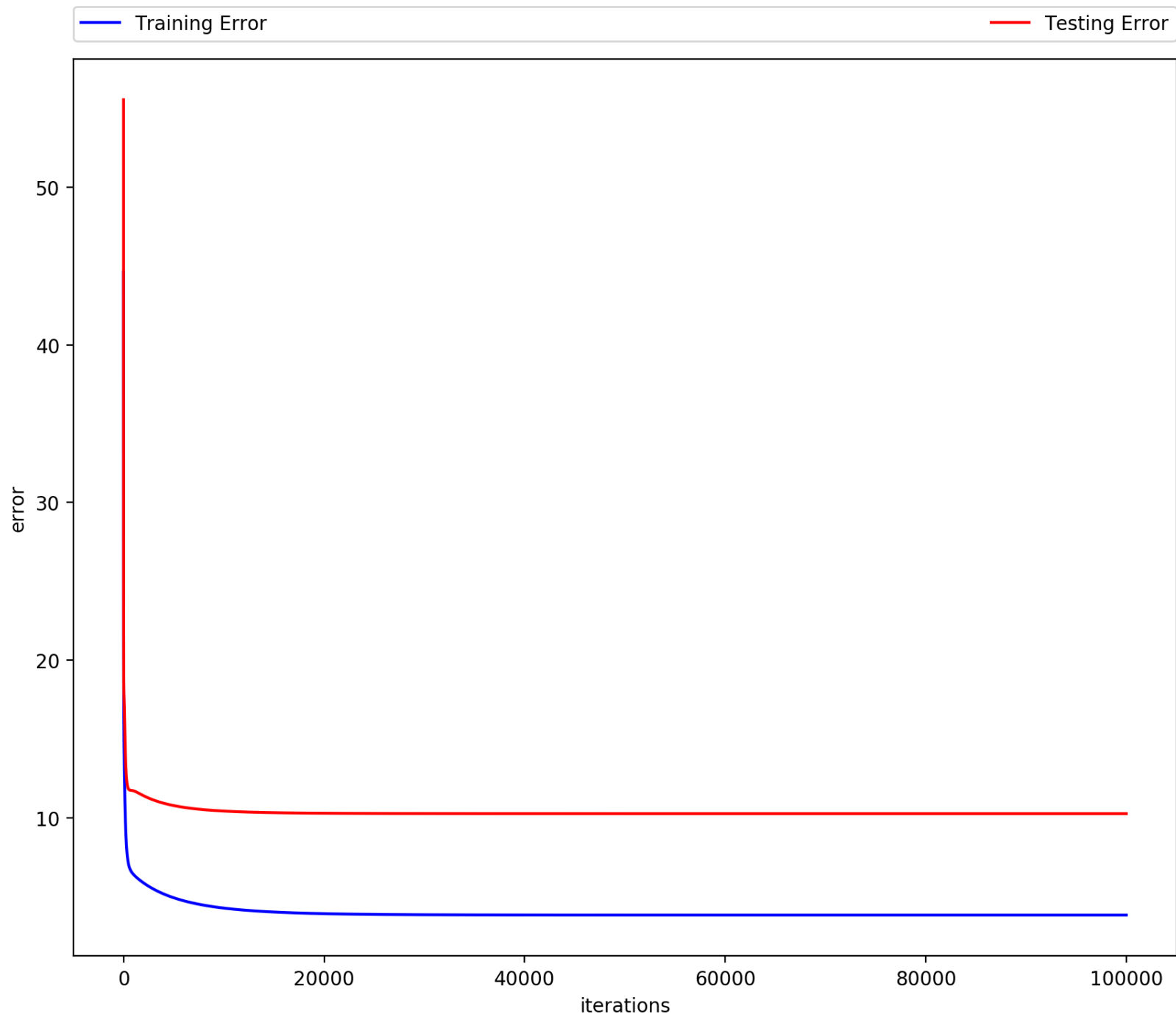
Question 7: fitted function as iterations increase



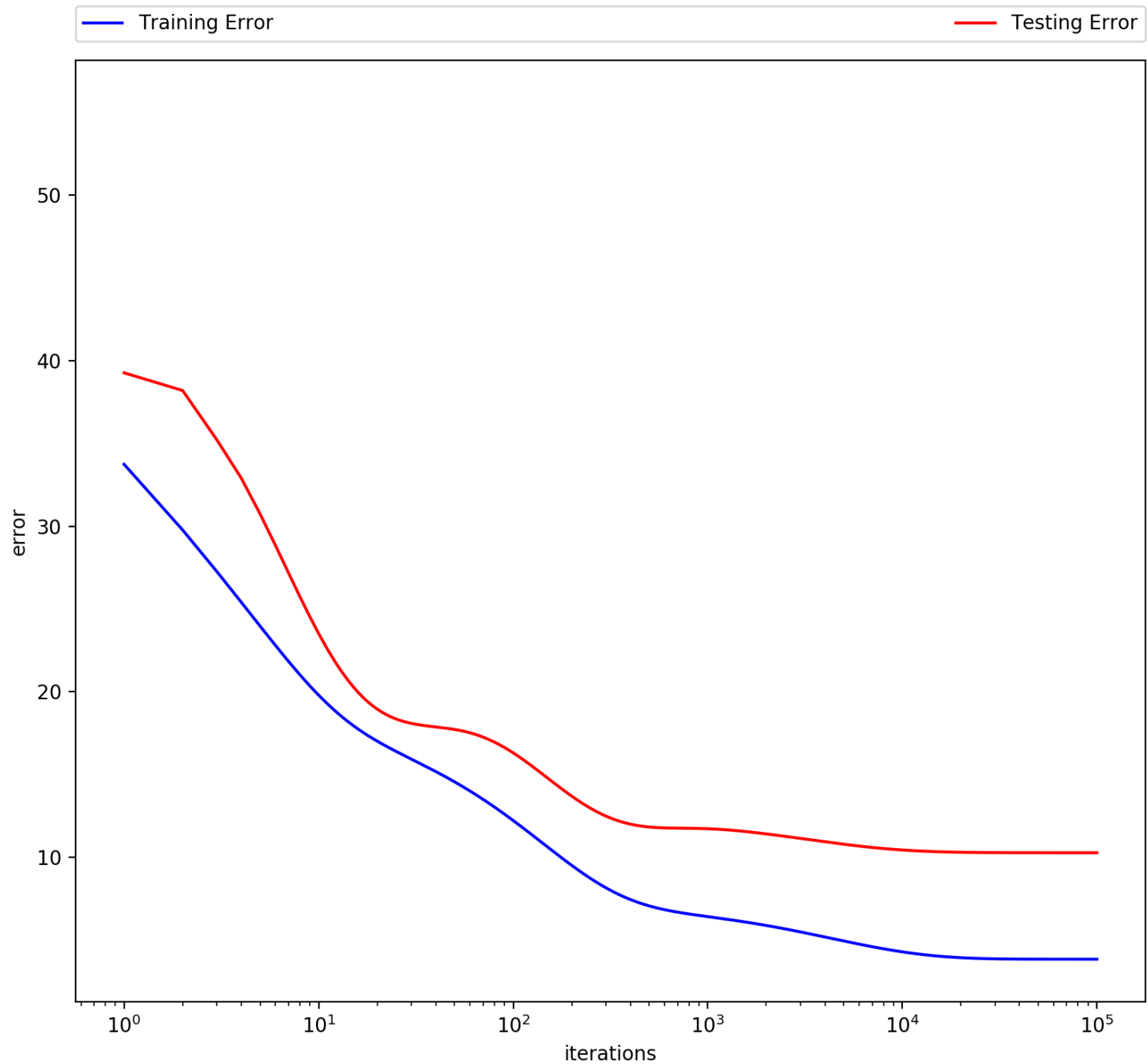
Question 7: fitted function



Question 7: training and test error v.s. iterations



Question 7: training and test error v.s. iterations (log scale)



Question 7: last 10000 training errors

