COMPENG 4SL4 Assignment 1 Report
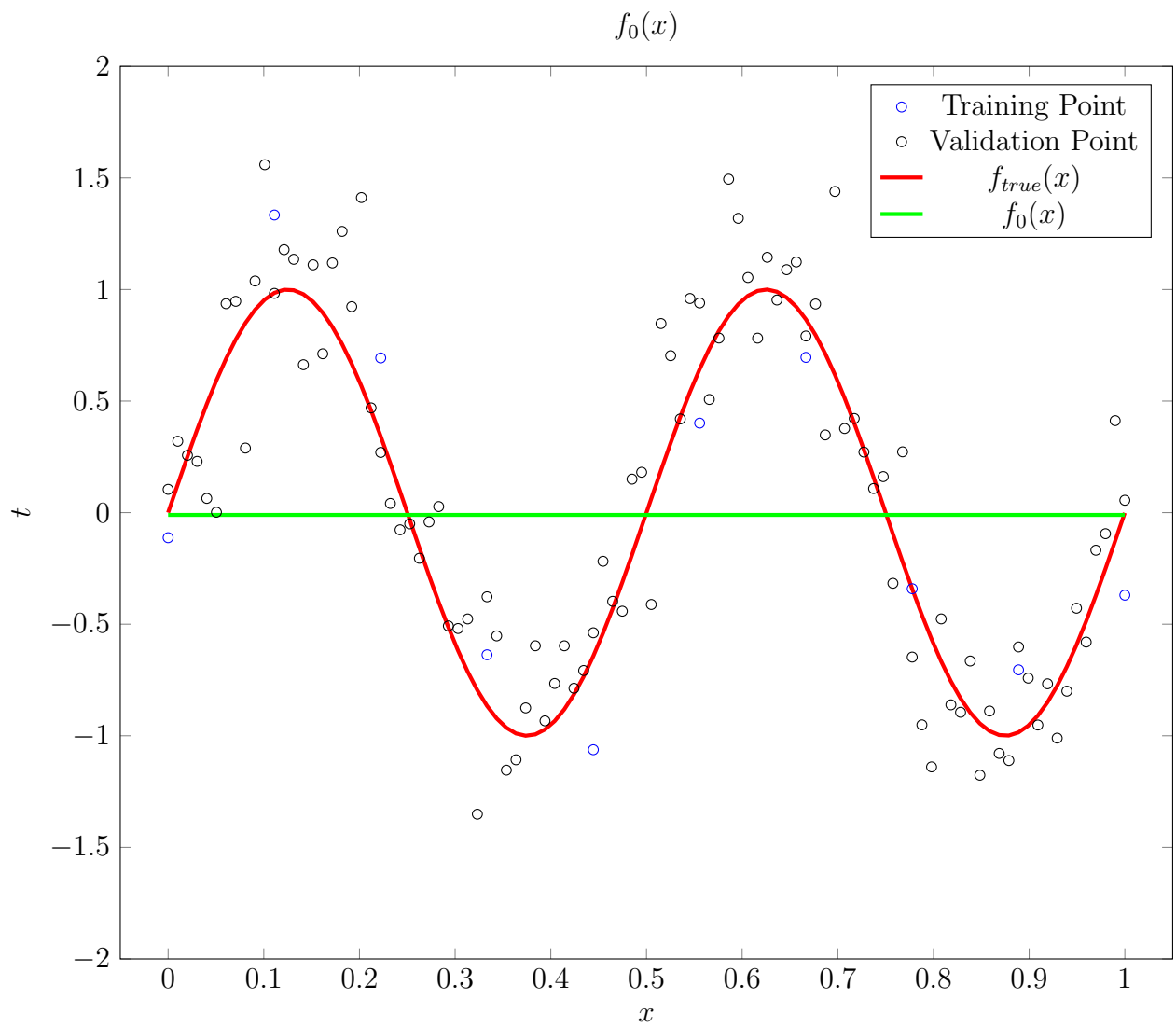
Raeed Hassan
hassam41

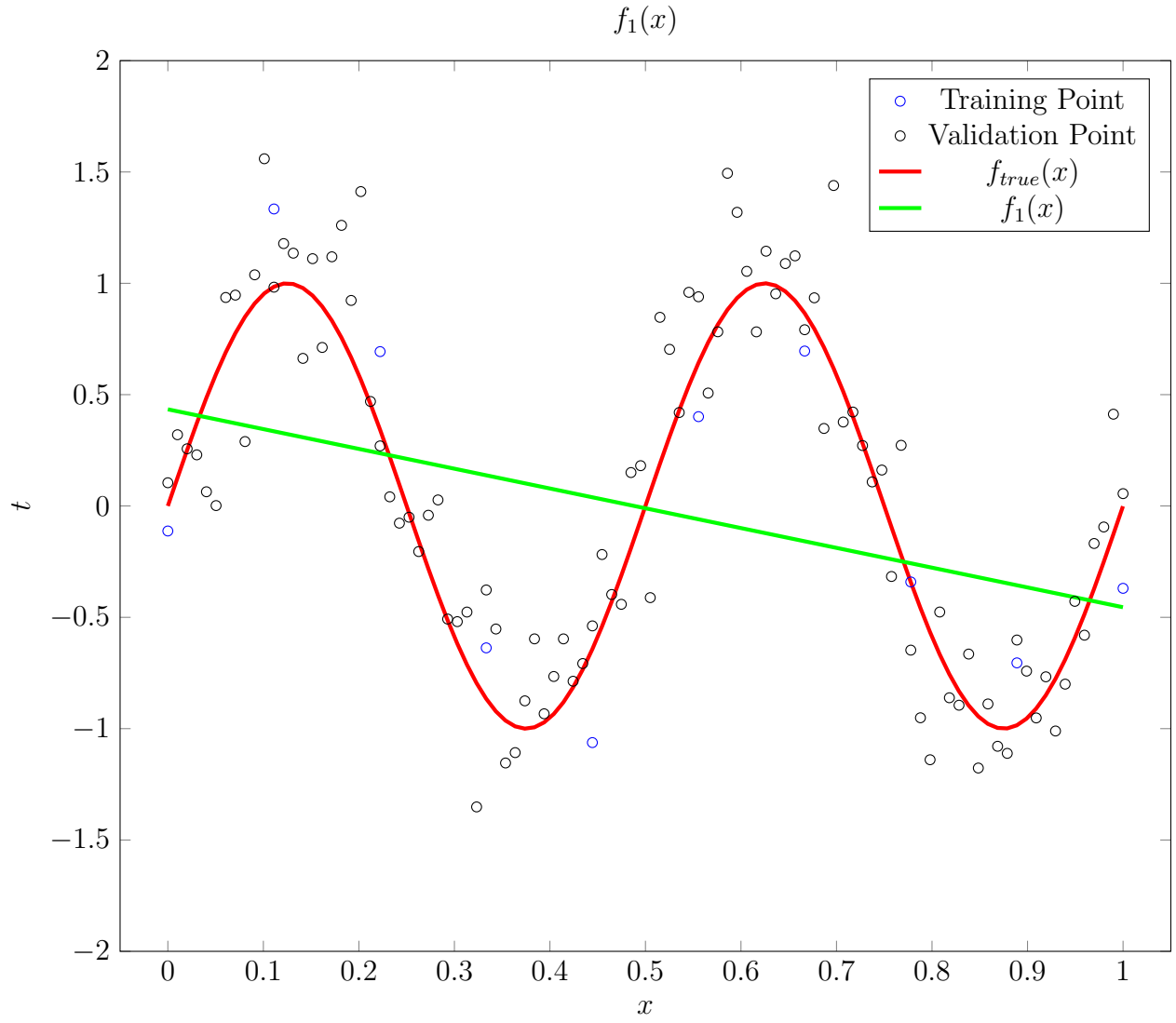October 9, 2022

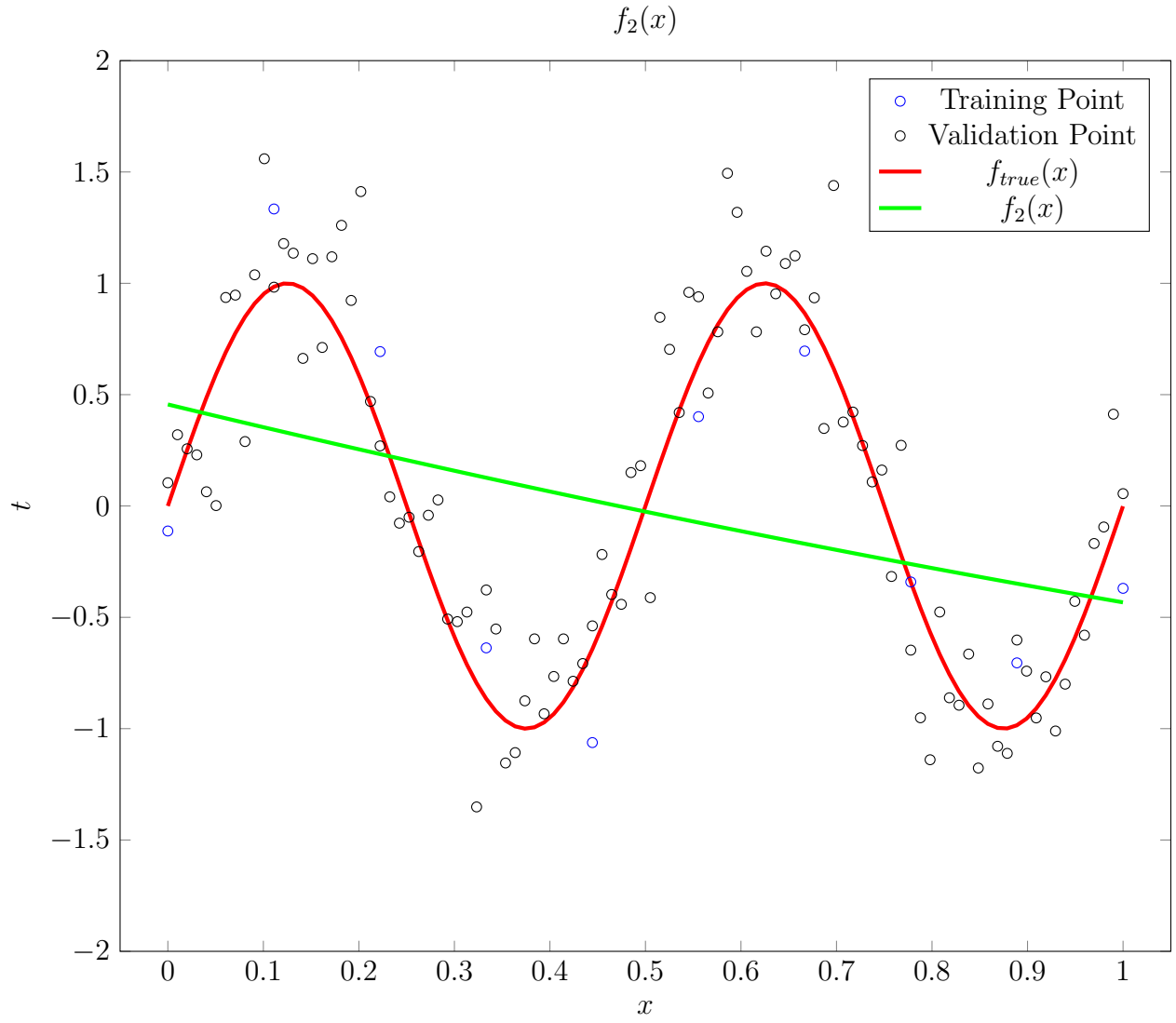Figure 1: $f_M(x)$ for $M = 0$

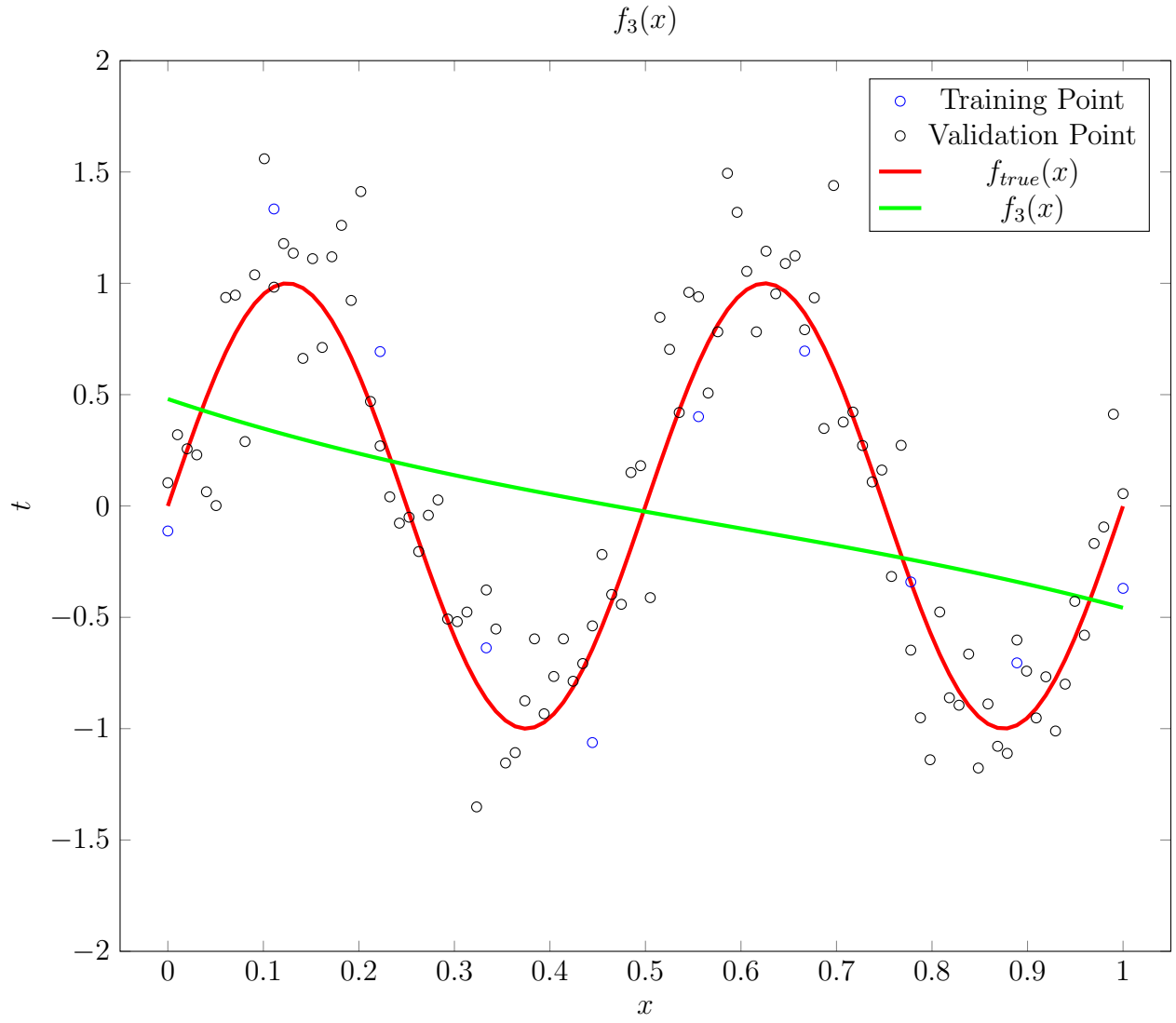Figure 2: $f_M(x)$ for $M = 1$

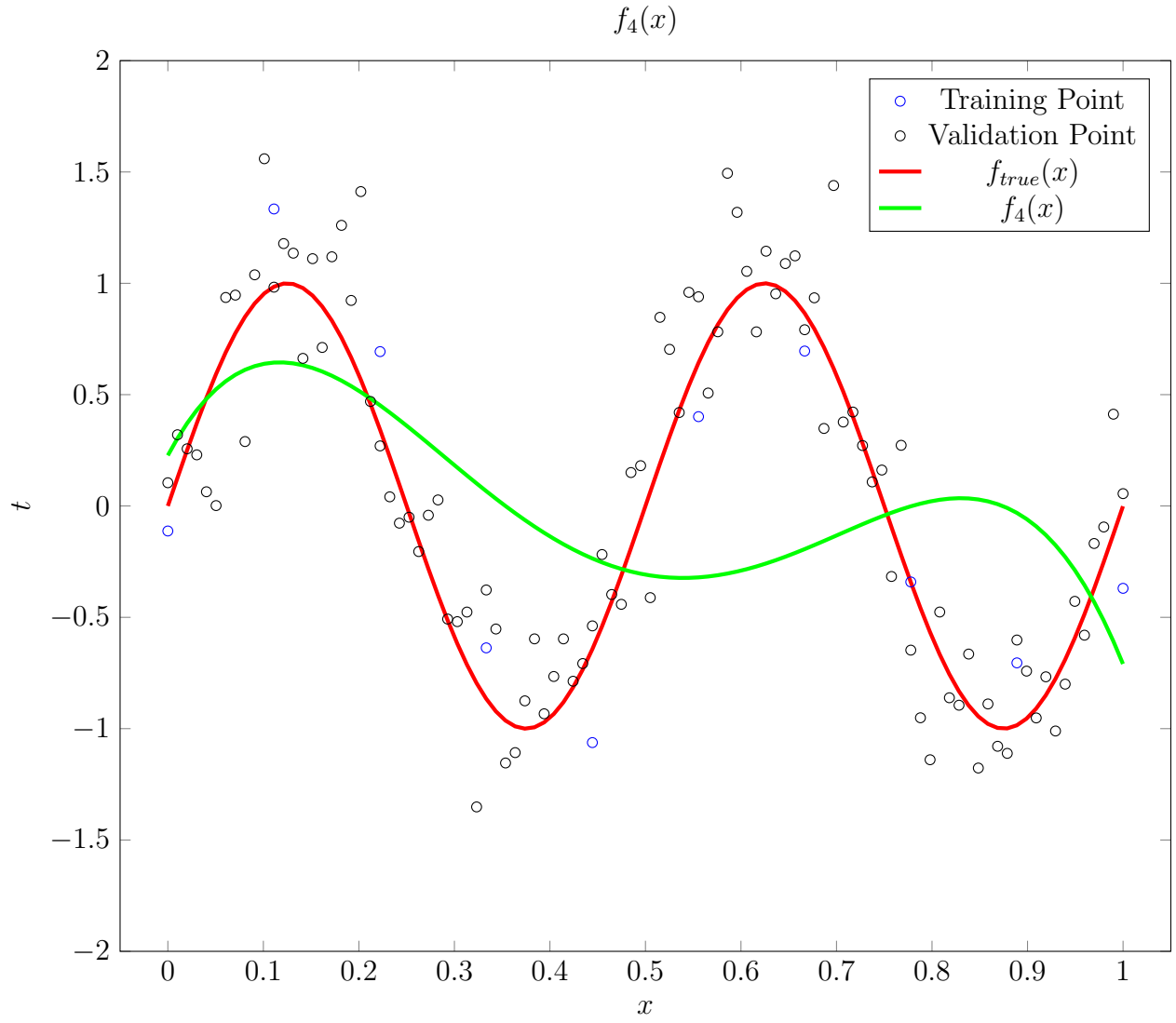Figure 3: $f_M(x)$ for $M = 2$

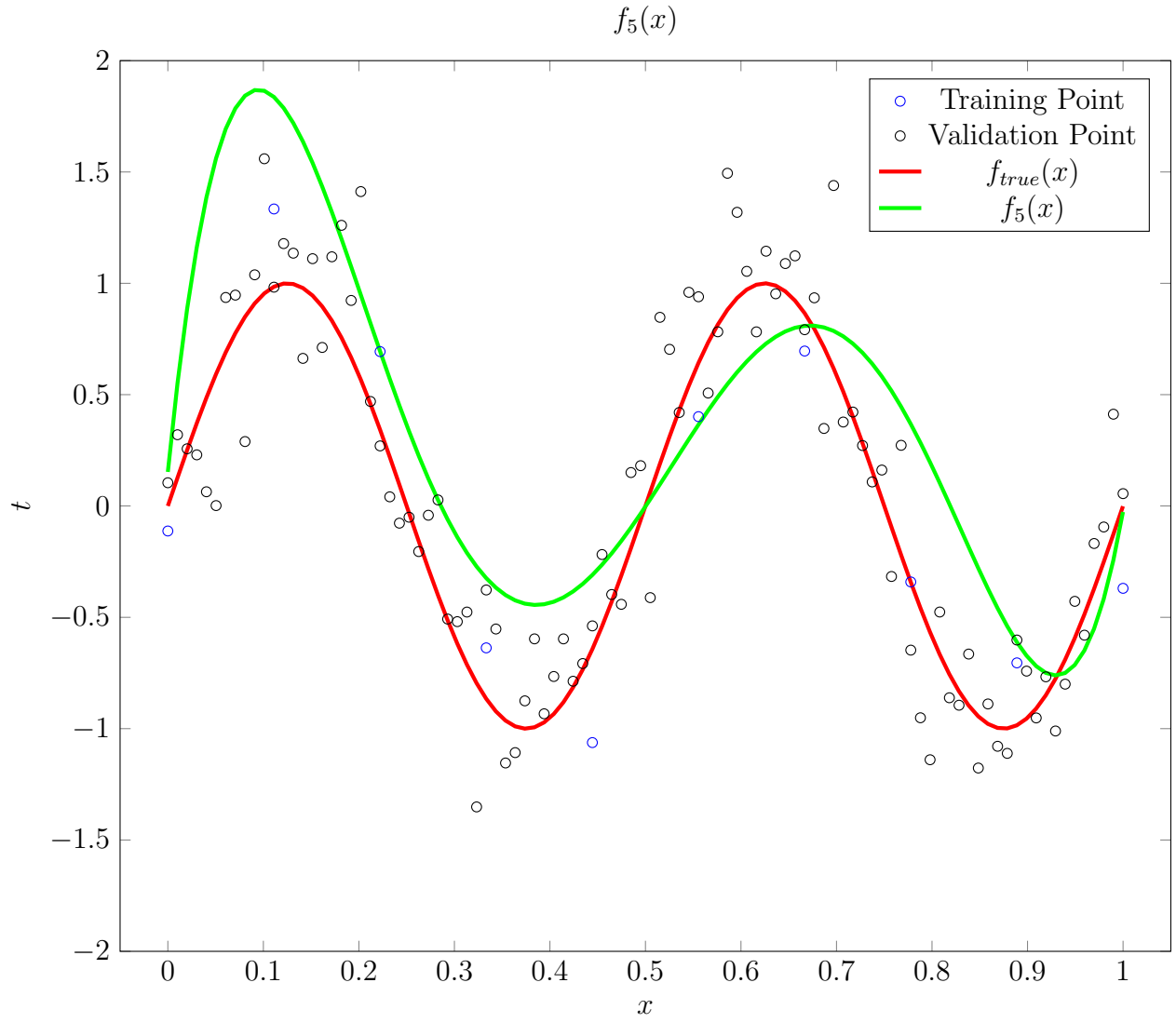Figure 4: $f_M(x)$ for $M = 3$

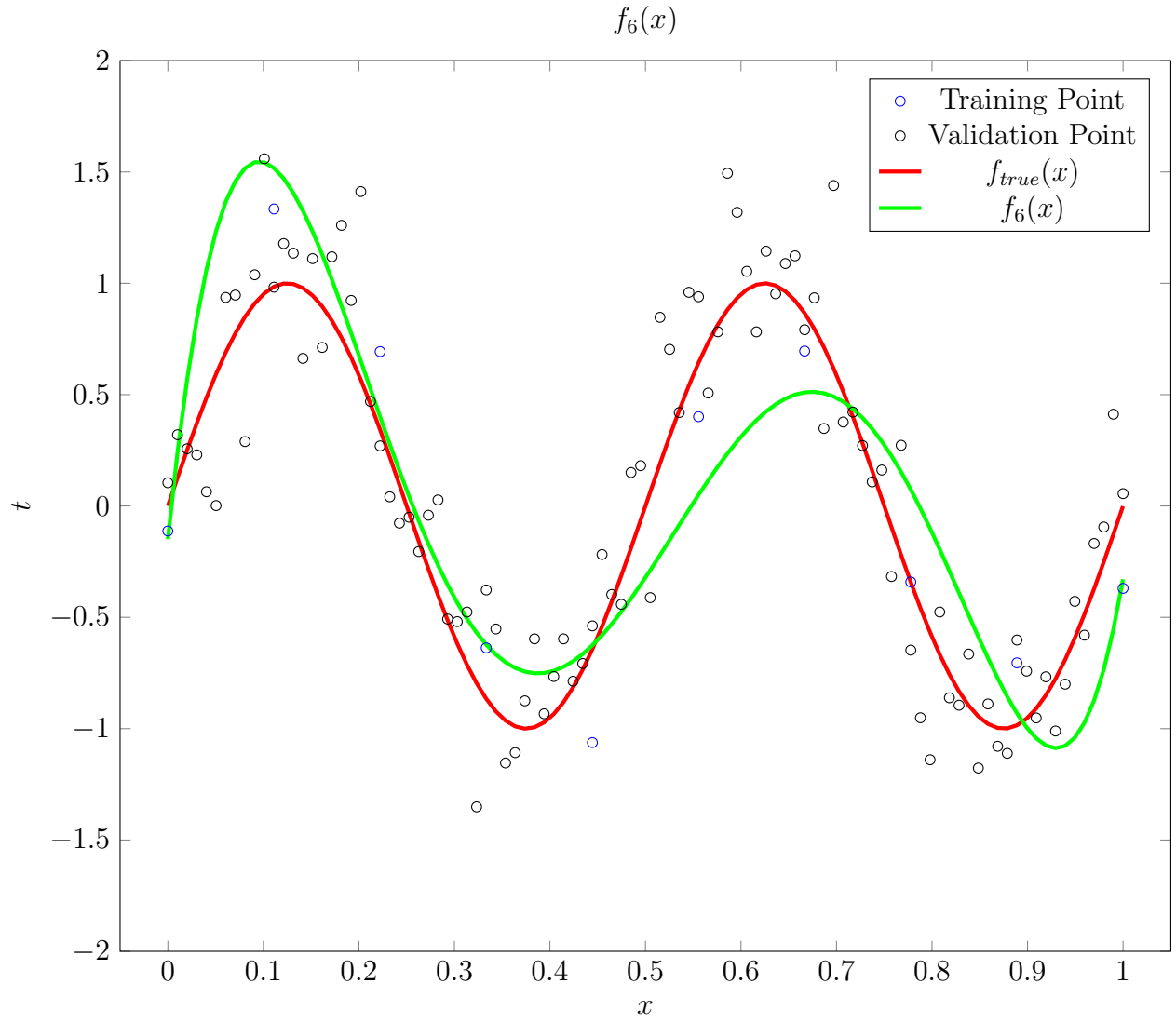Figure 5: $f_M(x)$ for $M = 4$

Figure 6: $f_M(x)$ for $M = 5$

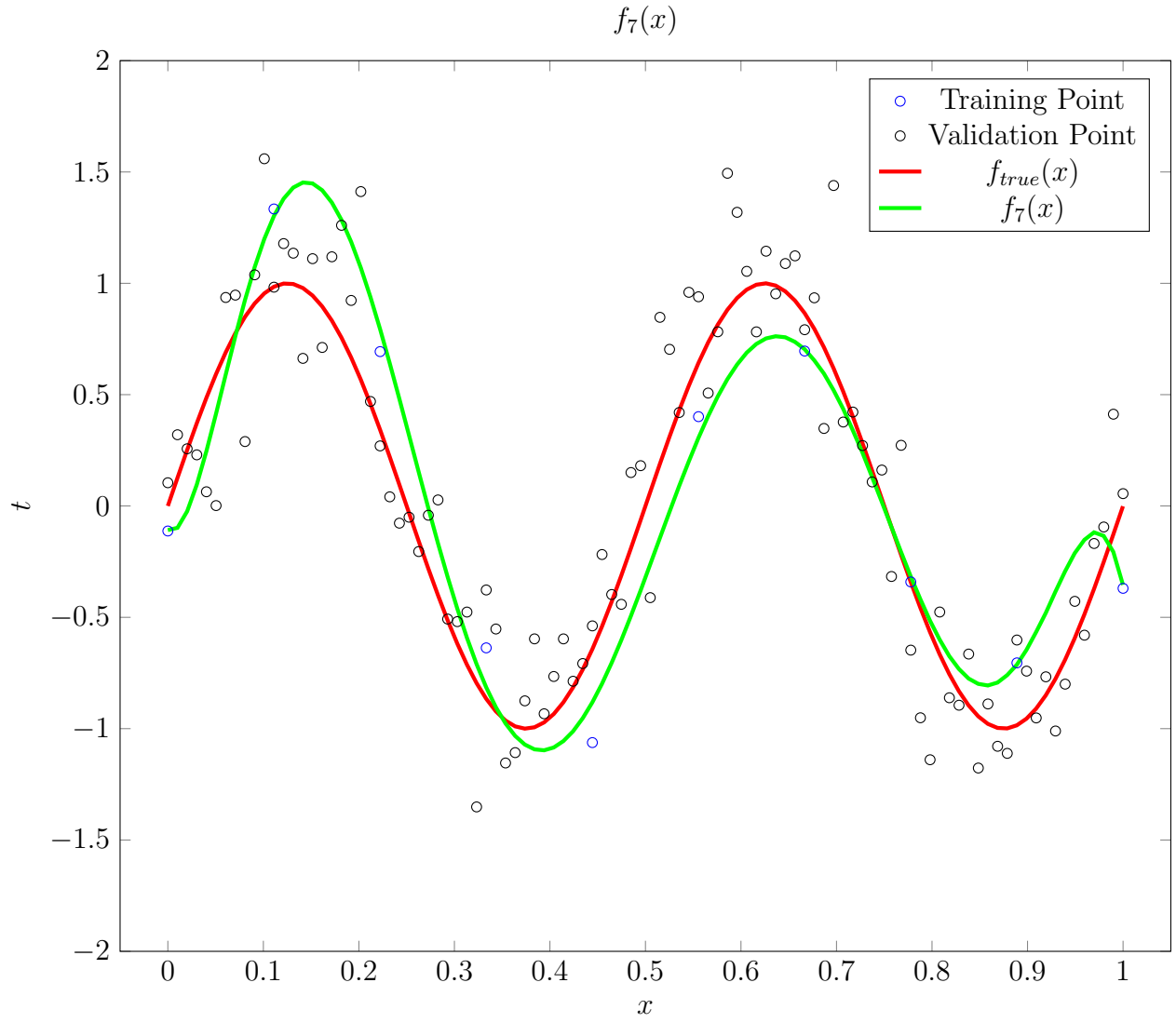Figure 7: $f_M(x)$ for $M = 6$

Figure 8: $f_M(x)$ for $M = 7$
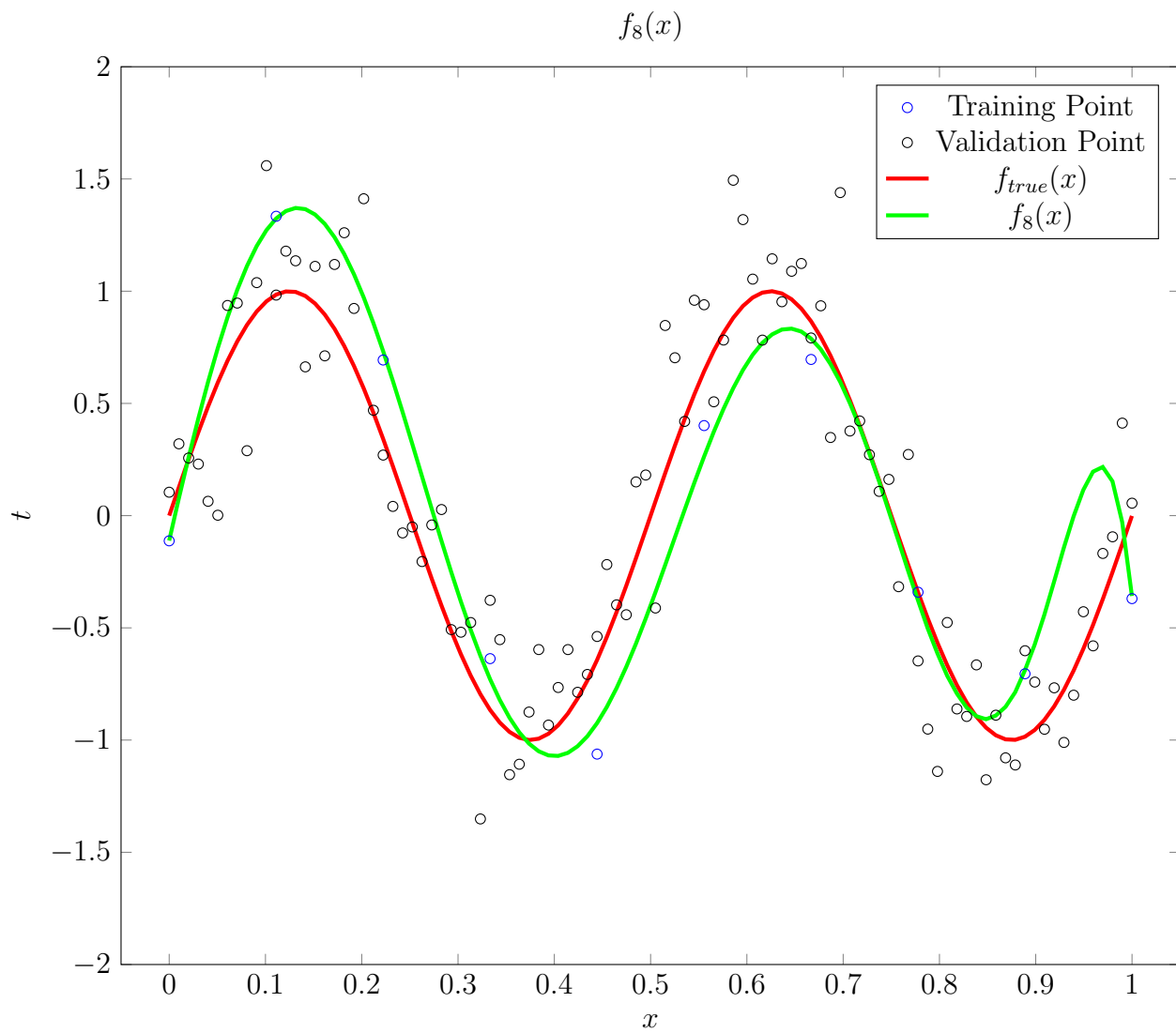
Figure 9: $f_M(x)$ for $M = 8$
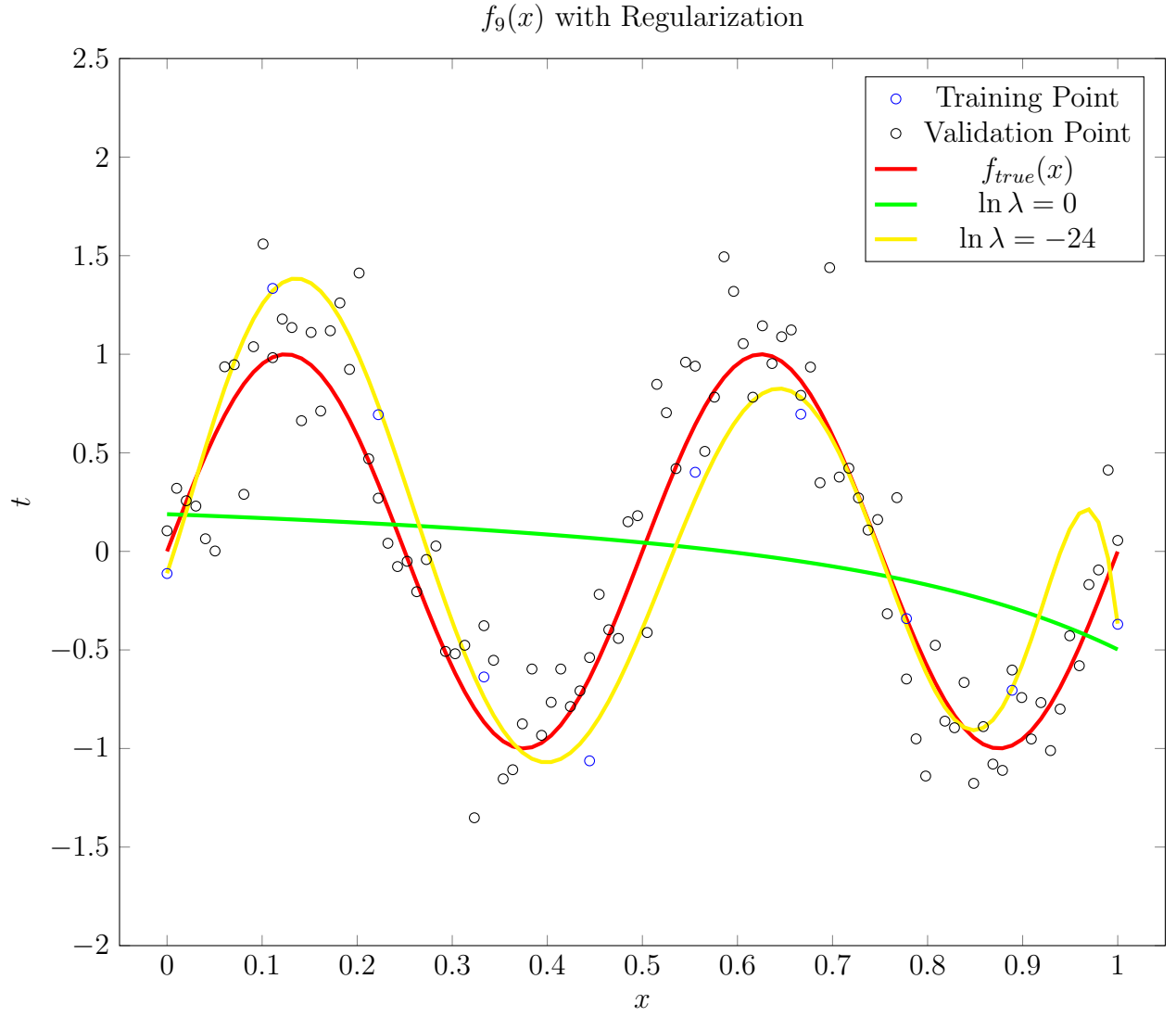
Figure 10: $f_M(x)$ for $M = 9$

$f_9(x)$ with Regularization
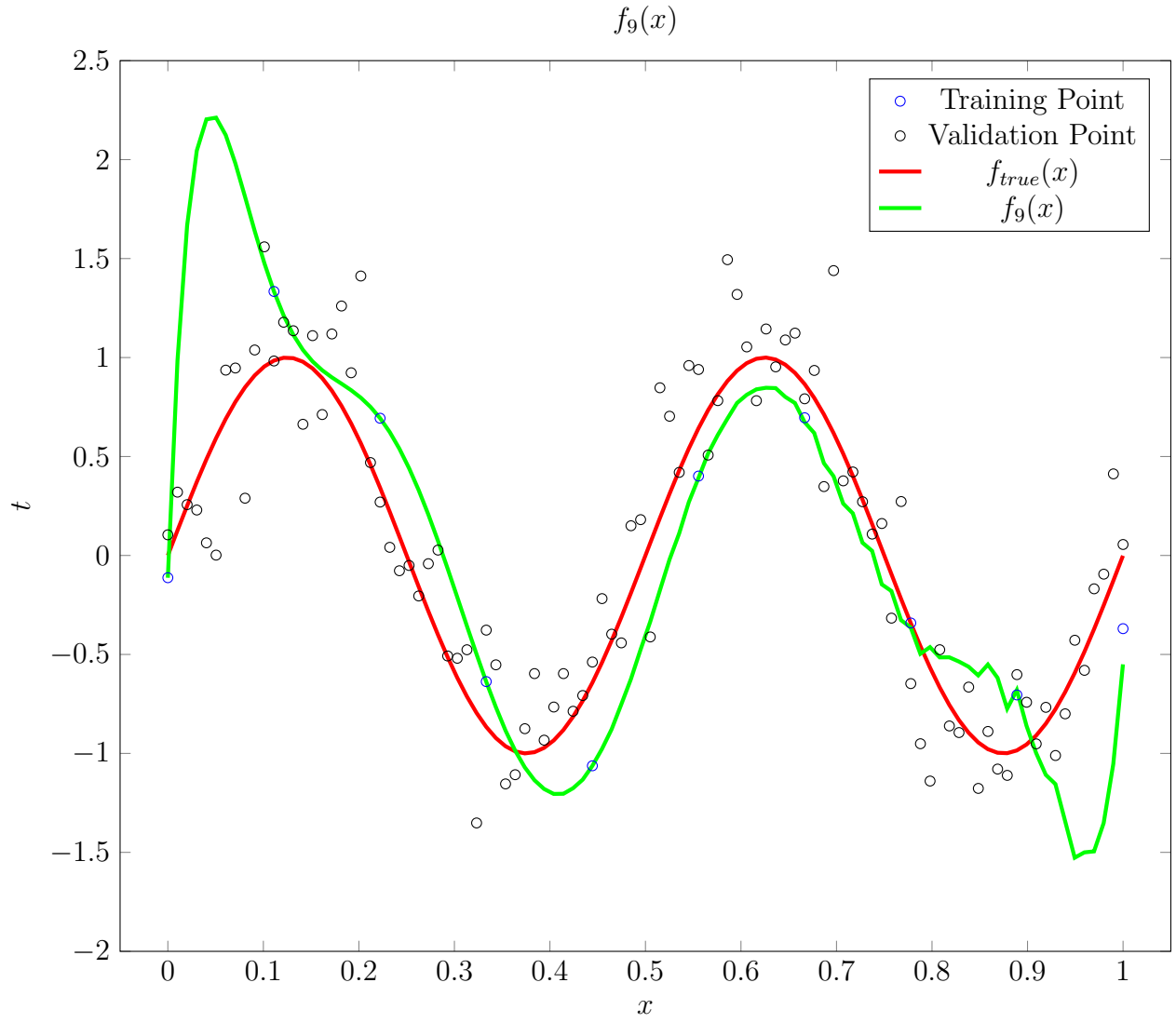
Figure 11: $f_M(x)$ for $M = 9$ and $\ln \lambda = 0, -24$