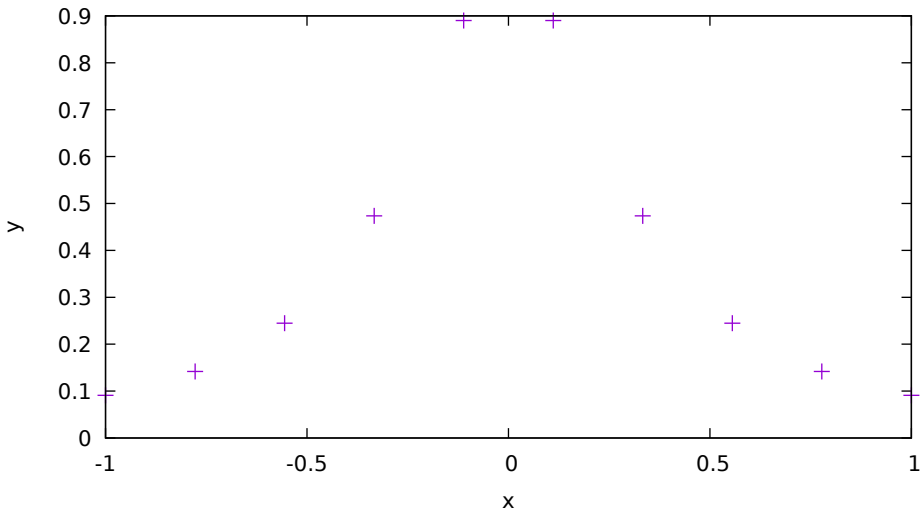
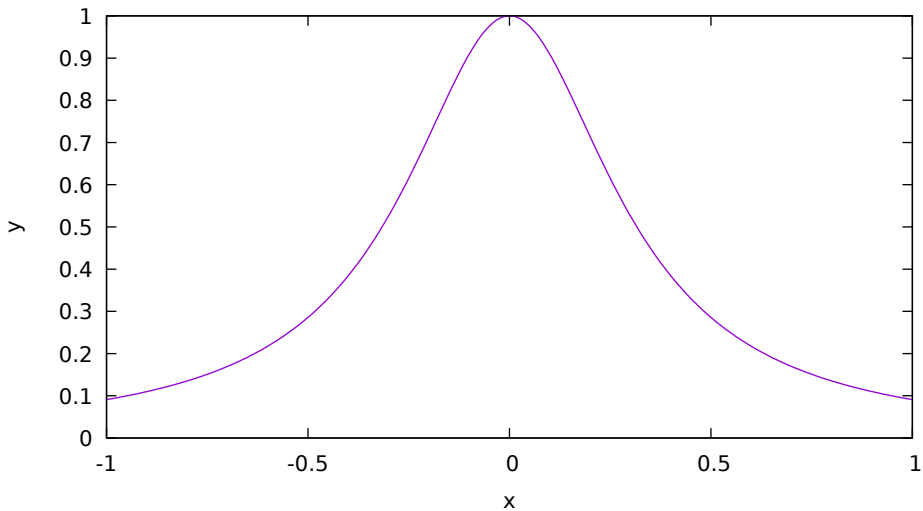


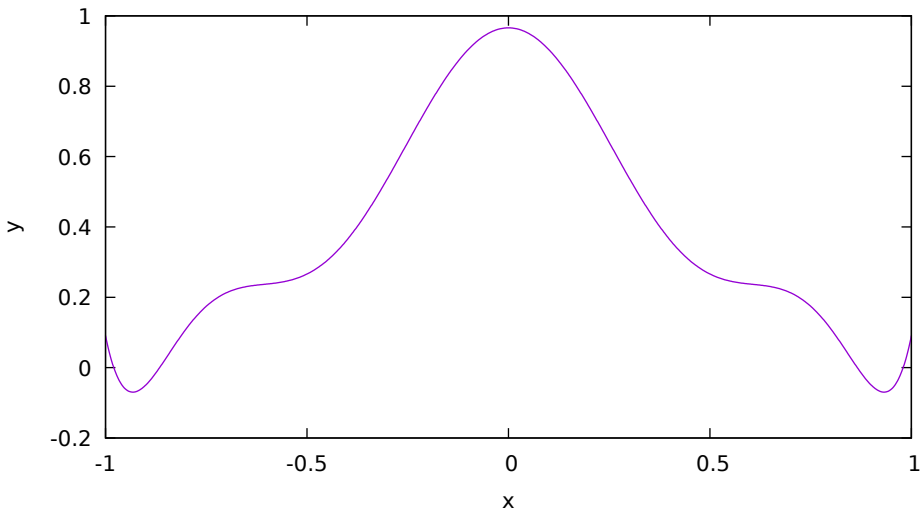
q4 --- Original Data (10 sample points)



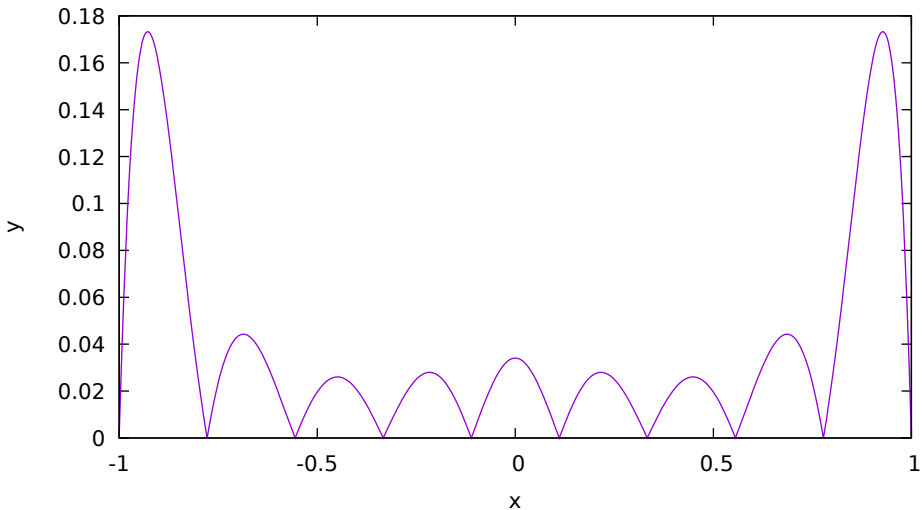
q4 --- Expected curve



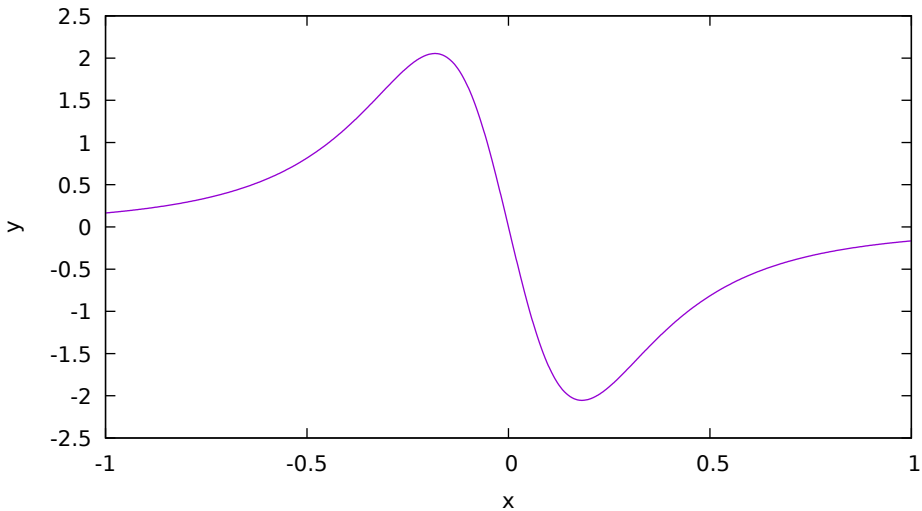
q4 --- Approximation curve



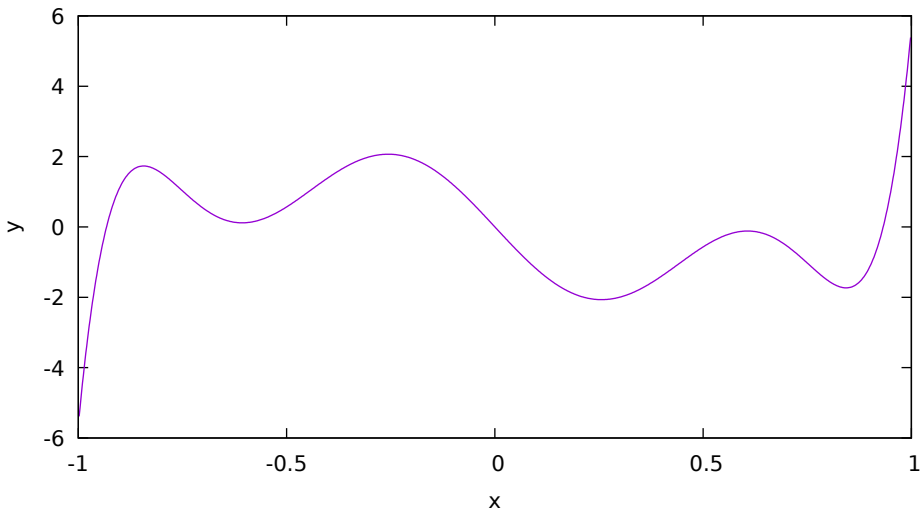
q4 --- Error:  $\text{abs}(y_{\text{expect}} - y_{\text{approx}})$



q4 --- Expected derivative curve



q4 --- Approximated derivative curve



q4 --- Error for derivative:  $\text{abs}(y_{\text{expect}} - y_{\text{approx}})$

