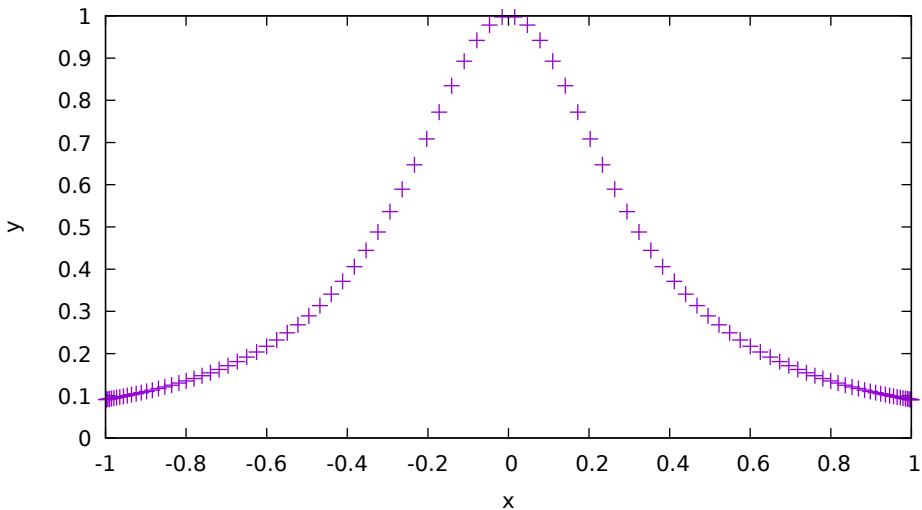
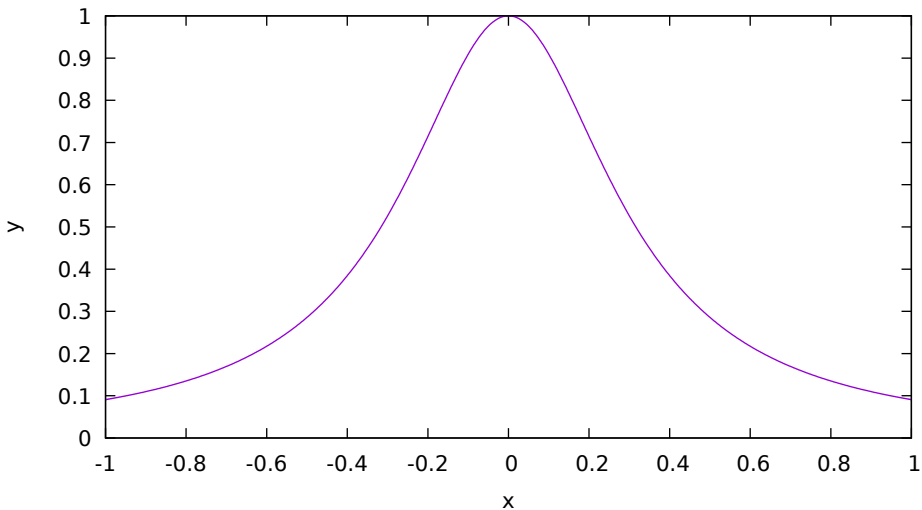


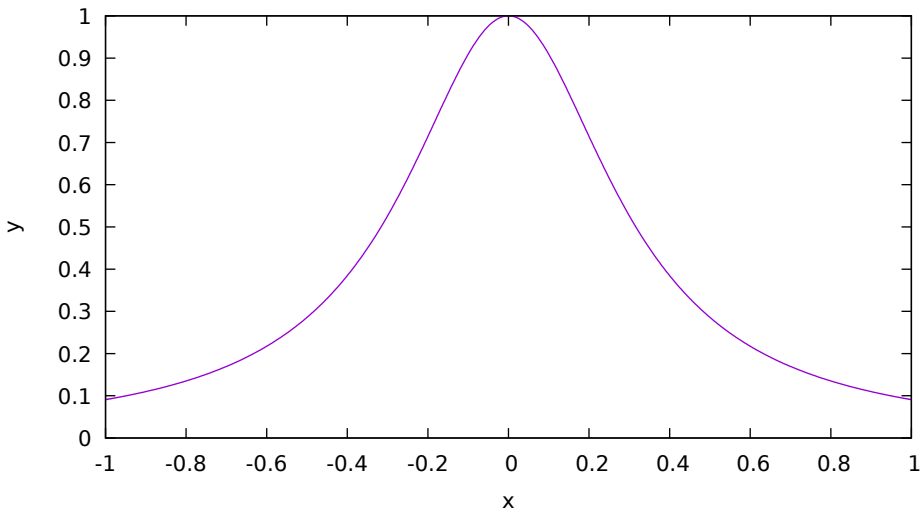
q5 --- Original 100 sample points



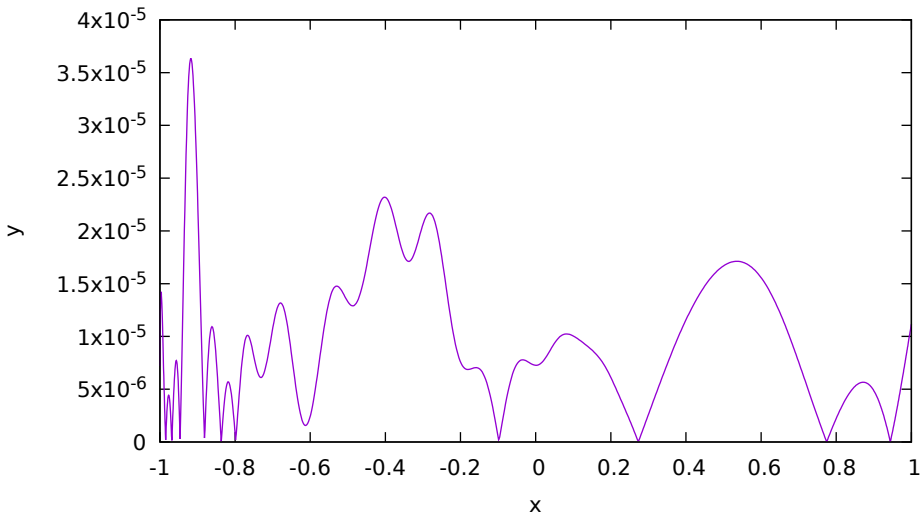
q5 --- Expected curve



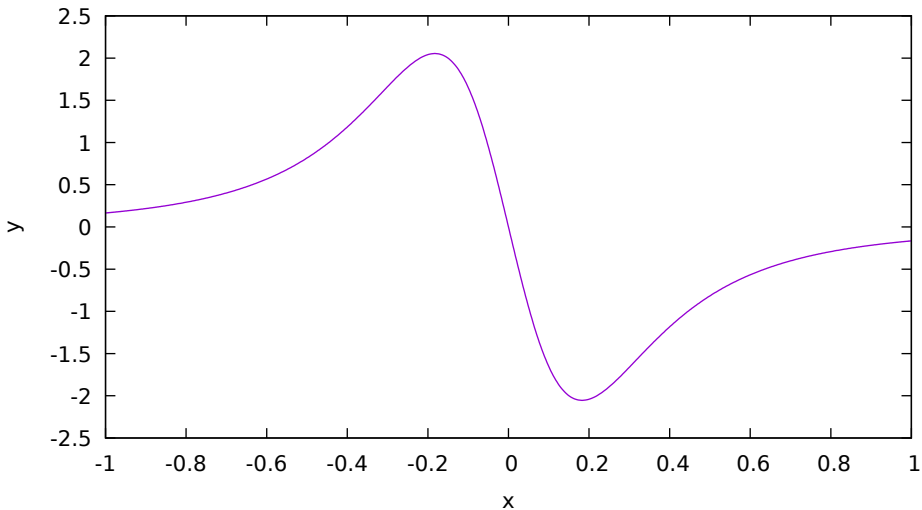
q5 --- Approximation curve



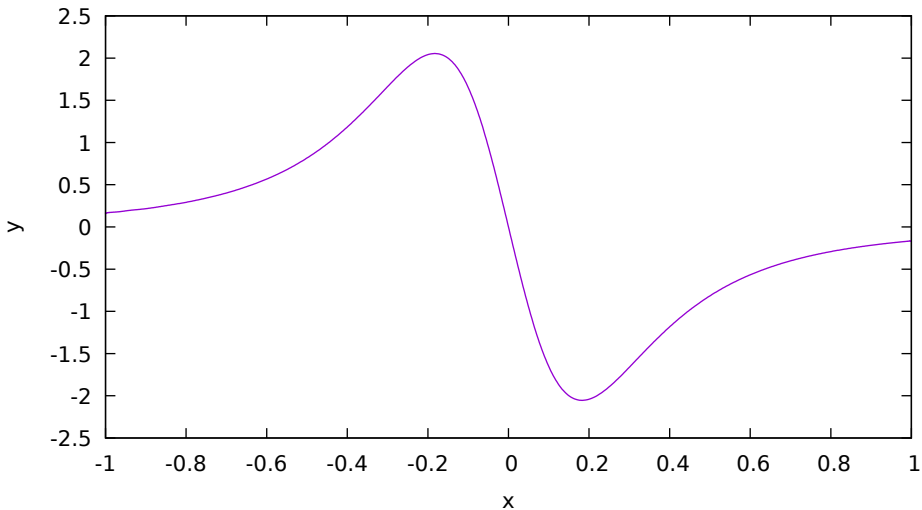
q5 --- Error: $\text{abs}(y_{\text{expect}} - y_{\text{approx}})$



q5 --- Expected derivative curve



q5 --- Approximated derivative curve



q5 --- Error for derivative: $\text{abs}(y_{\text{expect}} - y_{\text{approx}})$

