

# 1 Answers to exercises chapter 1

1.2

The error function is given by

$$\tilde{E} = \frac{1}{2} \sum_{n=1}^N \{y(x_n, \mathbf{w}) - \mathbf{t}_n\}^2 + \frac{1}{2} \|\mathbf{w}\|^2. \quad (1)$$