# Worksheet 4 Wireless networking

**Task 1**

(a) What is a **wireless network interface card**? What is its purpose? Why would a smartphone, remote control Internet-enabled lightbulb, wireless printer, or laptop require one? [1]

(b) Describe how to connect a modern smartphone to a wireless network. (Look on the Internet to help you if necessary!) [4]

(c) What is SSID? What is its purpose? [2]

(d) When you want to connect to a network and select an SSID, you will be asked for a password or security key. What purpose does the security key serve? [2]