1. Match the four different networks shown on the left column to the corresponding range on the right column.

|  |  |  |
| --- | --- | --- |
| WLAN |  | >50 km |
|  |  |  |
| WWAN |  | Up to 50 km |
|  |  |  |
| WPAN |  | 10 m |
|  |  |  |
| WMAN |  | 100 m |

1. Modify the following texts so that the statement is true.

UWB technology capable of doing everything that Bluetooth can, but it handle a lot more data at higher speeds.

The IEEE 802.16 standard is more commonly known as .

ZigBee is a technology used in characterized by being power consumption, installation, data rates and frequency bands.

1. Sort the following security methods from the best (1) to worst (5).

\_\_\_\_ WEP

\_\_\_\_ WAP+TKIP/AES

\_\_\_\_ WPA+AES

\_\_\_\_ WPA+TKIP

\_\_\_\_ WPA2+AES

1. Name at least five potential applications for wireless networks:

1. \_\_\_\_\_\_\_\_\_

2. \_\_\_\_\_\_\_\_\_\_

3. \_\_\_\_\_\_\_\_\_\_\_

4. \_\_\_\_\_\_\_\_\_\_\_

5. \_\_\_\_\_\_\_\_\_\_\_

1. Complete the following table:

|  |  |  |  |
| --- | --- | --- | --- |
|  | Bluetooth | IrDA | Wi-Fi |
| Type of wave |  |  |  |
| Typical range |  |  |  |
| Line of sight required? |  |  |  |
| Maximum data rate |  |  |  |
| Frequency bands |  |  |  |

1. Match the terms shown on the left column to the corresponding definitions on the right column.

|  |  |  |
| --- | --- | --- |
| BSS Identifier |  | Network in which devices communicate with each other point to point and no access point is required |
|  |  |  |
| Ad hoc network |  | Access point together all associated stations |
|  |  |  |
| Infrastructure network |  | Alphanumeric key identifying the WLAN |
|  |  |  |
| Station |  | Whatever device having the capability to interfere the wireless medium |
|  |  |  |
| Basic service set |  | Enables the interconnection of wireless networks to the wired network. |
|  |  |  |
| Distribution system |  | Network in which devices communicate with each other through an access point. |