Solutions

Each answer shows the steps, then the **result**.

2.1

- the adversary sets up a fake access point with an SSID copied from the real network, so victims connect to it and their traffic can be read

2.2

- any two of: verify the exact network name; prefer HTTPS sites; use a VPN

2.3

(a)

- jamming

(b)

- denial of service / DoS

3.1 B

- reusing others' tools indicates low skill

3.2 B

- HTTPS encryption protects data even if traffic is intercepted

3.3

(a)

- an attacker outside can detect and probe the network without entering the building

(b)

- control the signal strength so it stops at the walls