**Assignment 1**

**Written Response Question**

**Q1a)**

Confidentiality is compromised.

A breach of confidentiality happens when information provided by the end user in confidence is supplied to a third party without his/her consent. If Google supplied that information, it would’ve been a breach of the Confidentiality principle.

**Q1b)**

Availability is compromised.

As Google had supplied the information to the FBI, from the bureau’s perspective availability would have been compromised as the flow of data would be disrupted.

**Q1c)**

Privacy is compromised.

Confidentiality is when the user willingly provides data to a third party on the condition that the information isn’t divulged.

Privacy is the right of a person to be left alone and is the more appropriate principle that was compromised. In this scenario, the FBI invaded the privacies of users whose calls were intercepted.

**Q1d)**

Integrity is compromised.

By removing her team’s data from the database of Google’s, she has modified the data in an unauthorized manner which affects the accuracy of the data in the database.

**Q2a)**

Modification. The hacker had hacked Google’s database and removed the data from it.

**Q2b)**

Interception. The hacker’s activity is being monitored by the FBI without their knowledge.

**Q2c)**

Fabrication. The FBI created entries in a database that is virtually indistinguishable from the real thing.

**Q2d)**

Fabrication. Again, the data is being modified and is not distinguishable from the real thing.