

Appendix A. Prelab Questions

Prelab Questions (10 points each)

1. What are some occupations, other than forensic scientists and law enforcement, who might use or store records of fingerprints?

Answer: Government agencies not involved in law enforcement, educational institutions, and large corporations might all use or store fingerprints.

2. List and draw three examples of minutiae that can be commonly seen in fingerprints.

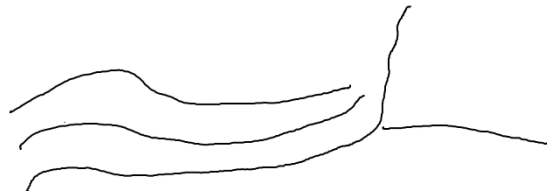
Answer:



Direction:






Abrupt Ends:



Forking:

3. What are the three main types of fingerprint patterns?

Answer:

<i>The Whorl</i>		
<i>The Arch</i>		
<i>The Loop</i>		

4. Which finger do you personally use to open touch ID on your iPad? _____

Answer: Typically, on dominant hand and often the index finger, but can be any finger

Look at your 10-print reference card and analyze that fingerprint.

- What is the specific pattern present on that finger? _____

Answer: Should be whorl, arch, or loop.

- What are at least 3 minutiae that your iPad's scanner will be looking for when it is attempting to certify a match? Give context/be specific.

Answer: Ridges, abrupt endings, forking

5. Which of the following things does a capacitive sensor need to make a correct match between a stored and a possible fingerprint? (Note: There may be more than 1 correct answer.)

- o Light
- o Electricity
- o A 2D fingerprint
- o A 3D fingerprint

Answer: Electricity and a 2D fingerprint