

Name: \_\_\_\_\_

**EE435 Spring 2012 Quiz 01**

1. Next to each biometric term on the left, write the letter corresponding to the most correct definition or example on the right.

- |                    |       |   |  |
|--------------------|-------|---|--|
| Verification       | _____ | a | Comparing Midn Yen's face to Midn Marion's and deciding they are the same person   |
| Identification     | _____ | b | Collecting a sample image of someone's iris, converting it into a template, and storing it in a database of authorized users |
| Segmentation       | _____ | c | A compact digital representation of a biometric sample   |
| Feature extraction | _____ | d | Record a sample of someone speaking  |
| Template           | _____ | e | Are you who you say you are?   |
| False accept       | _____ | f | Determining the location, direction and type of the unique ridges in a fingerprint image                                     |
| False reject       | _____ | g | Something you know   |
| Enrollment         | _____ | h | Who are you?   |
| Capture            | _____ | i | Intra-user variability   |
|                    |       | j | Midn Hack attempts to use the iris system to enter the lab, but the system won't let him in                                  |
|                    |       | k | Determining which pixels in an iris image are actually iris pixels   |

2. The best biometric is one that has both uniqueness and permanence. What does this mean? Give an example of a biometric that is not very unique or permanent.

Bonus: What country did Myanmar used to be?

Double bonus: What country is Ulan Bator the capital of?