Name:

Date:

School:

Facilitator:

3.06 Fingerprint Lab (50 Points)

# Part 1: Fingerprint Examiners and Pre-lab Reflection

**Respond to the following questions in complete sentences.** (4 points each)

1. What is the ACE-V method?

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| *Write your response below:* |
|  |

1. What are the responsibilities of a fingerprint examiner? What tools do they use?

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| --- |
| *Write your response below:* |
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1. Briefly describe the crime and the role of the fingerprint examiner.

# Part 2: The Process

**Respond to the following questions in complete sentences.** (4 points each)

1. Is a fingerprint class or individual evidence? Explain why.
2. How many ridge characteristics and specific points of reference are required to make a match between an unknown print and known print from a suspect or a known print from someone who was at the crime scene but is not considered a suspect (like Sonia, in this case)?
3. How can you determine if a fingerprint contains one of the major classes of an arch, loop, or whorl, and determine the subcategory of that class?

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| *Write your response below:* |
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**Part 3: Analysis**

**Record your observations of the lifted prints in the table below.** (2 points each)

| **Method used to obtain print** | **Which suspect, if any, is the best match?** | **Distinguishing Characteristics**  **Name at least 2** |
| --- | --- | --- |
| Dusting and lifting |  |  |
| Ninhydrin |  |  |
| Iodine fuming |  |  |
| Direct print |  |  |

**Respond to the following questions in complete sentences.** (6 points each)

1. Which suspects do you think were present at the scene? Explain your reasoning.

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| *Write your response below:* |
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1. What difficulties might a crime scene investigator face in obtaining prints at a crime scene?

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| --- |
| *Write your response below:* |
|  |

1. What was most difficult about this lab?

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| --- |
| *Write your response below:* |
|  |