

CNT 4419 Quiz 3/12/25 (20 minutes) NAME: _____

Instructions: Same standard instructions as before. As always, this quiz is closed everything, including phones and other students. Do not talk to another student during the quiz. Do not look at another student's answers during the quiz. Respond at the level of detail discussed in class.

1. [2 points] What are standard processes for mitigating insider attacks in companies or other organizations? Hit the main points discussed in class. [1-3 sentences]

2. [3 points] Suppose you are designing an MLS system and want both C and I protections (per the CIA classification of policies). Based on the in-class discussion, what rule(s) would you enforce? Specify the desired restriction(s) as simply, and in as few rule(s), as possible. Then, after stating the rule(s) you would enforce, explain your reasoning using the relevant terminology from class. [Short essay]

3. [5 points] Prove or disprove that safety properties are closed under intersection.