

UMUC Computer Science

Logic Quiz

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Instructions: On the next page of this document is a quiz covering some of the logical concepts in sections 1.1-1.4 in your text.

- When you turn to the next page, type in your name in the name field provided near the top of the page.
- Follow the instructions on that page on how to answer the questions.
- After you have correctly answered the last question correctly, a message appears at the bottom of the page with an evaluation of your effort.
- Save the completed page and post it in your Portfolio in the slot for Quiz 1.

Adobe Reader 6.0 or later is required for this document. Adobe Reader does not allow you to save your work, so please complete the assignment in one sitting, there are not many questions.

Name: _____

Instructions: Select a question from the left panel by clicking its checkbox. Find the answer listed in either the right panel. No guessing! A maximum of 2 tries on any problem before you get 3 penalty points! Passing is to complete the puzzle with only 2 incorrect answers.

Questions		Answers
1. a truth table 2. negation 3. definition 4. unbound variable 5. instantiation 6. quantifier 7. implication 8. Branches of Formal Logic 9. De Morgan's laws	Who is considered the founder of formal logic? The answer is hidden in the puzzle below.	universal $\exists x(x \text{ is even })$ $\exists x(x \text{ is odd })$ existential instantiation universal instantiation tautology $(x \geq 1) \vee (x < -2)$ $p = F$ F,F,F F,T,F $5x > 0$ predicate $p = F \text{ and } q = F$ $(x \geq 1) \wedge (x < -2)$ $p = T \text{ and } q = F$ contradiction F, F, T quantifier

Important: Don't forget to save this answer page and send it through WebTycho. If you wish press the button below and print a copy for your records.

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