

Math 099 - ICA 4
Logical Arguments

Name _____

Show all of your work to receive full credit. This quiz will be due in your D2L assignment folder by Saturday at 11:59pm. Late quizzes will not be accepted.

1. (5pts) Write the following argument in symbolic form then construct a truth table to determine the validity of the argument.

*If it rains, then I will take a nap.
I take a nap*

Therefore, it rained

2. (5pts) Determine if the following is a tautology, self-contradiction, or neither.

$$(p \vee q) \vee (\sim p \wedge \sim q)$$