

# **CMSC435; Section 0101**

## **Feb. 22, 2006; Quiz #3**

**Student's Name:** \_\_\_\_\_

Question 1: What is a traceability matrix? Give an example.

Question 2: Large systems may be decomposed into sub-systems with well-defined interfaces between the sub-systems. The specification of subsystem interfaces allows the independent development of the sub-systems. These interfaces may be defined as abstract data types or object classes. Argue why the algebraic approach to formal specification is particularly well-suited to interface specification. Give an example to support your answer.