

CSCI 5832 Quiz 1

Name: _____

On my honor, as a University of Colorado at Boulder student, I have neither given nor received unauthorized assistance on this work. _____.

1. **(5 points)** True or False: Recognition with non-deterministic finite-state machines involves state-space search.

2. **(10 Points)** Consider the following two sentences with respect to their use of the word *invent*.
 Who invented the telephone?
 The invention of the telephone changed the world.
Account for the two different surface forms that appear in these examples. Are the same kinds of procedures at work in both? If not then describe the differences.

3. **(5 Points)** True or False: The primary consideration in determining a word's part of speech is its meaning.

4. **(10 Points):** What is the principle intuition that underlies the Witten-Bell method?