

Name:

## CS 662 Sample Midterm

### 1 True/False, plus corrections

#### 35 pts, 5 pts each

Each of the following statements is either true or false. If it is true, mark it true. If it is false, correct the statement so that it is true. **Note:** Adding “not” or otherwise negating the sentence is not acceptable. You must change the facts in the sentence if it is false. For example:

Question: The Turing Test is a test of whether a computer program is rational.

Bad answer, no credit: The Turing Test is *not* a test of whether a computer program is rational.

Good answer: The Turing Test is a test of whether a computer program is indistinguishable from a human.

- A stochastic environment is one in which an action may have more than one result.
- A chart parser is more efficient than a top-down parser because it never backtracks.
- A rational agent is an agent that does what a human would do in any situation.
- A toy problem is a problem used to illustrate or study the performance of an algorithm.
- A complete algorithm is one that always finds all possible solutions to a problem.
- A corpus is something that a vampire eats.



