

**CSCE 580 Fall 2012**  
**QUIZ 3**  
Assigned Tuesday, 12-09-04

1. What is *mysterious* in the following paragraph? In a(n) *mysterious* algorithm, solution quality improves (or at least never decreases) over time. A(n) *mysterious* algorithm provides a solution even when little time is allocated to its execution; it provides a better solution as more time is allocated to its execution.

**Answer:** anytime

2. Rank the following representations in order of decreasing succinctness (i.e., start with the most compact representation and end with the least compact one):
  - (a) individuals and relations
  - (b) explicit states
  - (c) features or propositions

**Answer:** individuals and relations, features or propositions, explicit states