CS 381: Final Exam Review

1. Functional Programming
   1. Type
   2. Expression
   3. Value
   4. Function
2. Syntax
   1. Grammar
   2. Abstract Syntax
   3. Concrete Syntax
   4. AST
   5. Object Language
   6. Metalanguage
3. Denotational Semantics
   1. Semantic Domain
   2. Valuation Function
4. Type Systems
   1. Type
   2. Static Typing
   3. Dynamic Typing
   4. Typing Relation
5. Naming and Scope
   1. Name
   2. Declaration
   3. Binding
   4. Reference
   5. Shadowing
   6. Dynamic Scope
   7. Static Scope
   8. Environment
   9. Closure
6. Parameter Passing
   1. Call-by-value
   2. Call-by-name
   3. Call-by-need (lazy)
7. Logic Programming
   1. Atom
   2. Predicate
   3. Variable
   4. Goal / query
   5. Database
   6. Fact
   7. Rule
   8. Rule head
   9. Rule body
   10. Goal search
   11. Unification
   12. Cut