COMPSCI 230 - Discrete Mathematics for Computer Science
MIDTERM 1

Intro, logic, and proofs
- Proposition
- Logical operators and connectors
- Truth table
- Implication
- De Morgan's laws
- Distributive law
- Valid vs satisfiable

Predicates
- Predicates
- Variables
- Quantifiers - negation
- Inference - rules of inference

Proofs
- Direct proofs
- By cases
- Contrapositive
- Contradiction
- Well ordering - WOP
- Induction

Induction
- Strong induction
- Structural induction