CIS 32 **Spring 2007** **Jansen**
FINAL Review Sheet

FINAL will include True/False, Multiple Choice, and some Homework style Questions, drawing from Material Covered in Lectures 12 through Lecture 18, AND topics from Lectures 1 through 11 that proved difficulty on the Midterm.
You will be allowed to bring in one (1) 8.5" by 11" sheet of notes into the exam with you.

Topics	**Lecture**
Knowledge Representation Basic Ideas of the 5 Roles of Knowledge Representation Types of Knowledge Representation Technologies	12
Robotics Basic Components of Robotic Agents Problem Solving approaches from Project 2	14
Propositional Logic Syntax of Propositional Logic Encoding English into Proposition Logic Entailment vs. Syntactical Derivation Truth Tables Proof Rules given in Lecture and Homework Proof Examples	13, 15
Predicate Logic Syntax of First Order Logic Quantification Encoding English into Predicate Logic	16
Logical Agents Encoding Rules for a Logical Agent Frame Problem	17
Planning Components of STRIPs planning language Encoding STRIPs problem's goal, initial state, and actions Sussman's Anomaly Means-End Analysis (*regression planning*) Partial-Order Planning as a Concept	18