

# COMPSCI 102

Introduction to Discrete  
Mathematics

# Complexity Theory: The P vs NP question

Lecture 26 (December 2, 2009)

# The \$1M question

## The Clay Mathematics Institute Millenium Prize Problems

1. Birch and Swinnerton-Dyer Conjecture
2. Hodge Conjecture
3. Navier-Stokes Equations
4. **P vs NP**
5. Poincaré Conjecture
6. Riemann Hypothesis
7. Yang-Mills Theory