

## **Discussion 7**

1. Review definitions and significance of P, NP, NP-complete; and the method of showing that a problem is NP-complete.
2. A high-level introduction of circuits (Section 9.3), and the main results that CIRCUIT-SAT (Theorem 9.33) and 3-SAT (Theorem 9.34) are NP-complete.  
(Material in slides 17-22 from <https://www.cs.uic.edu/~ajayk/c301/08NPComplete.pdf>)