

Unless otherwise specified, the problems listed below are from *Discrete Mathematics and Its Applications, Sixth Ed.*, by Kenneth H. Rosen.

1. Give the 8bit twos complement representation for the following number: -1, -2, -96, -127
2. section 3.6 problems: 43, 44 (i.e. Prove that the “flip the bits and add one” trick works.)
3. section 4.1 problems: 4, 18, 48, 64
4. State the Well-Ordering Property, and explain the difference between “Induction” and “Strong Induction”. (Just read section 4.2)