10/25/04

7. Homework
Due **Wednesday 11/3/04** before class

The total number of points for this homework is only 24. However, homework scores will be scaled such that each homework contributes equally to the final grade.

1. 4.1 (page 310)

   - (1 point) 6
   - (5 points) 28 a,b,d,g,h
   - (1 point) 32
   - (2 points) 46

2. 4.2 (page 319)

   - (1 points) 2
   - (2 points) 4
   - (1 points) 18 a

3. 4.3 (page 324)

   - (2 points) 4
   - (1 point) 10
   - (1 point) 14
   - (1 point) 22 a
   - (1 point) 24
   - (2 points) How many n-digit ternary $(0, 1, 2)$-sequences with exactly nine 0's are there?

4. 4.4 (page 333)

   - (1 point) 12
   - (2 points) 22 (simply prove the identity in whichever way you prefer)