

Reading: The week of Mon. 3/28 will cover functions and some of summations. This problem set parallels Prof. Rapaport's HW8 and part of HW9.

(1) Rosen, page 120, problem 30. note that you need to do more than just give one counterexample. (6 pts.)

(2) Rosen, page 120, problem 34(b,c,d). (9 pts.)

(3) Rosen, page 131, problem 18(a,b) and 20. ($6+6+15 = 27$ pts.)

(4) Rosen, page 131, problem 28. ($3+3+3=9$ pts.)

(5) Rosen, page 131, problem 48(a,b). Show your work, i.e., give reasoning as well as a “college answer.” ($6+6 = 12$ pts.)

(6) Rosen, page 147, problem 14(c,e). ($6+3 = 9$ pts.)

(7) Rosen, page 147, problem 22 (6 pts., mainly just understanding what the terms mean—really “increasing” should be “non-decreasing”)

(8) Rosen, page 147, problem 30 (12 pts., for 90 on the set).