Foundations of Mathematics 12
Combinatorics: Essential Learning Goals

A1: I can use the fundamental counting principle (FCP) with factorials to solve counting problems

Practice for A1:

>> Workbook Pg. 68-73
>> Workbook Pg. 77-80

A2: I can solve permutation problems with restrictions and repetitions using the permutation formula and the fundamental counting principle (FCP)

Practice for A2:

>> Workbook Pg. 83-86
>> Workbook Pg. 92-94
>> Workbook Pg. 109-114

A3: I can identify and solve combination problems using the combination formula

Practice for A3:

>> Workbook Pg. 98-100
>> Workbook Pg. 109-114

A4: I can solve "at least" and "at most" combination problems, with and without using the complement

Practice for A4:

>> Workbook Pg. 104-106
>> Workbook Pg. 109-114