

Disco I Worksheet #2

September 7, 1998- Professor Broughton

Name: _____

Box #: _____

1. The symmetric group

1. Write out all possible “shu - es” or permutations for S_3 the symmetric group on three symbols. Write down the list notation and the disjoint cycle notation for each one.
2. Based on number 4 determine the number of 4-shu - es and 5-shu - es, i.e., ...nd the cardinalities of S_4 and S_5

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