

Final Exam Review

1. Let  $G = S_3$ .
  1. Find all the subgroups of  $G$ .
  2. Determine the order of every element of  $G$ .
  3. Determine the left cosets of each subgroup of  $G$ .
  4. Determine the right cosets of each subgroup of  $G$ .
  5. Give the subgroup lattice of  $G$ .
  6. Determine all homomorphic images of  $G$ .
1. Written Solution
2. Video Solution