Review Final MAT312

There will be 6 problems on the exam. Four of them are variations of the assigned homework problems. And two questions will ask you to reproduce (parts) of proofs of important theorems.

A good preparation for the final exam is to make sure you are able to do well the assigned homework problems. Then you are already safe for four of the exam problems.

The two questions concerning proofs will relate to the following theorems.

- Theorem 1.6.7 (Euler's Theorem) (see for the proof Corollary 5.2.7).
- Theorem 4.1.3 (Cycle Decomposition)
- Theorem 5.2.3 (Lagrange Theorem)
- The list of "small groups" (section 5.3)

Study well the proofs of the above theorems and the tricks involved in the classification of small groups. Don't memorize them, understand them!

There will not be questions related to the projects.

In the Monday class of the last week of classes there will be a review. This review will be mainly answering your questions. Prepare questions.