

Math 395 - Fall 2021
Qual problem set 1

This homework is “due” on Monday September 6 at 11:59pm.

You may also (in addition to or instead of turning this in as a homework, your choice) use this assignment as a quiz. In this case, give yourself 15 minutes to solve this problem.

1. Consider the group

$$G = D_4 \times D_3.$$

Exhibit two subgroups of G that are isomorphic to D_4 .