SUBGROUPS

LECTURE 2, EXERCISE SET 3

Exercise 1. Find all subgroups of (1) D_3 , (2) D_4 .

Definition 1. A subgroup $H \subset G$ is called *normal* if for any $h \in H$ and any $g \in G$ we have $g^{-1}hg \in H$.

Exercise 2. Identify which subgroups of (1) D_3 (2) D_4 are normal.

Date: July 10.