SUBGROUPS

SYMMETRY AND ESCHER, EXERCISE SET 4 (LECTURE 2)

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.

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