

# Re: Centralizers, Normalizers and the Center

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  - *Date:* 6 Jul 2005 13:52:25 -0700
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Write out the definition of each one above the other then start with a few groups of small order and explicitly calculate each of them for each group and all their subgroups. I think you'll see very clearly what the relationship is. I recently had to convince myself of the same thing and used the Quaternion group of order 8, the symmetric group of order 6, the Dihedral groups of order 8 and 16, the Klein 4 group, and the cyclic group of order 8 calculating each of these in order to get a better understanding of what they were. I recommend the same for you as well.

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- *References:*
  - ◆ [Centralizers, Normalizers and the Center](#)
    - ◇ *From:* themadhatter012
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