

Let G be a group. Suppose ϕ is an automorphism of G . The mapping ϕ is called an automorphism of G if it is a bijective homomorphism from G to G .

Suppose ϕ is an automorphism of G . Then ϕ is called an inner automorphism of G if there exists an element a in G such that $\phi(x) = axa^{-1}$ for all x in G .

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PROBLEM SET

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