$$U gHg^{-1} = \{ghg^{-1} : heH, geG\} = U h h$$

h com w git, not us all etts.

$$G/K = \bigcup_{j \in G} J^{H_j}/K$$

$$[G:K] = [H:K] \cdot [G:H]$$

$$X = \{gHg^{-1}\}, GCX conj.$$

$$|X| = \frac{|G|}{|Stab_{G}(H)|} \in (G:H]$$
 also works.