Name: ....

Please complete the following definitions.

- Given a subgroup H of a group G and an element $x \in G$, the *right coset Hx* is the subset

  $Hx = \{$

- A subgroup H of a group G is said to be *normal in G* if

- A function $f \colon G \to G'$ between groups G and G' is a *homomorphism* if

- If $f \colon G \to G'$ is a homomorphism, then its *kernel* is $\ker f = \{$