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left function notation

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We are said to be using *left function notation* if we write functions to the left of their arguments. That is, if $\alpha : X \rightarrow Y$ is a function and $x \in X$, then αx is the image of x under α .

Furthermore, if we have a function $\beta : Y \rightarrow Z$, then we write the composition of the two functions as $\beta\alpha : X \rightarrow Z$, and the image of x under the composition as $\beta\alpha x = (\beta\alpha)x = \beta(\alpha x)$.

Compare this to right function notation.