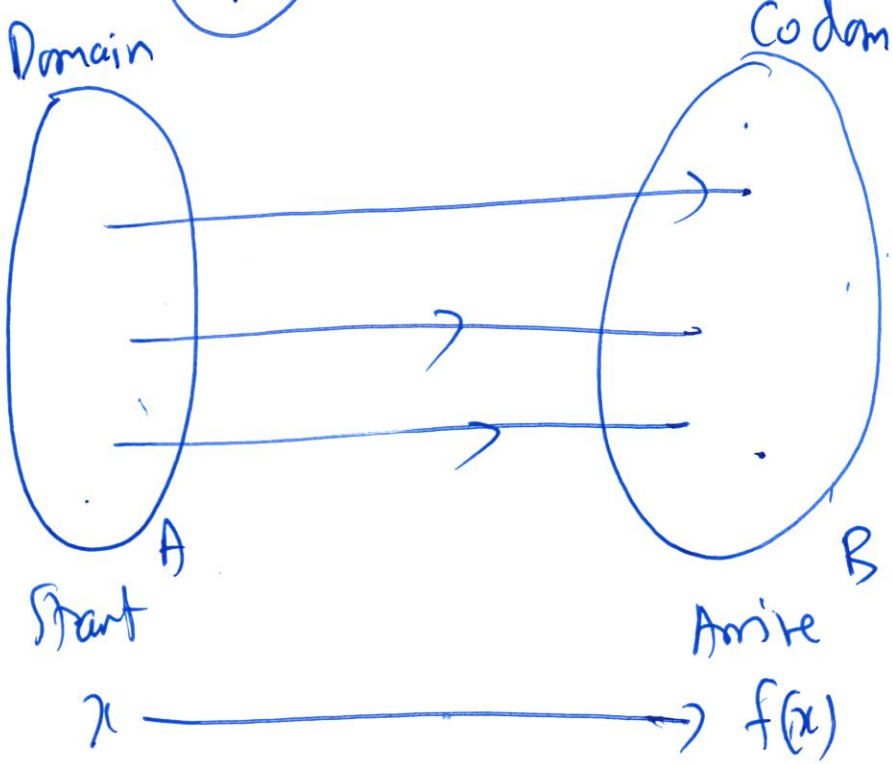
Functions

$x \to x+4$.

$f(x) = x+4$ or $f: x \to x+4$



$x \longrightarrow f(x)$

This is normally denoted by $f: A \to B$.

(A: domain, B: codomain)

x is the independent variable & $f(x)$ is the dependent variable.